

ANNUAL REPORT of VITAL STATISTICS



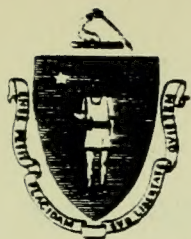
1978

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC HEALTH

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The Commonwealth of Massachusetts

Department of Public Health

600 Washington Street

Boston 02111

Alfred L. Frechette, M.D., M.P.H.

Commissioner

May, 1980

To the Honorable Senate and
House of Representatives

I have the honor to submit herewith as required by Chapter 111, Section 2, of the General Laws, the one hundred and thirty-seventh annual report on statistics of births, deaths, fetal deaths, marriages and divorces in Massachusetts for the calendar year 1978.

This is the fifteenth Annual Report of Vital Statistics published by the Department of Public Health, and is intended for administrative and research purposes connected with health programs and population studies.

Respectfully submitted,

A handwritten signature in cursive script that reads "Alfred L. Frechette".

Alfred L. Frechette, M.D.

Commissioner

THE COMMONWEALTH OF MASSACHUSETTS

DEPARTMENT OF PUBLIC HEALTH

Alfred L. Frechette, M.D.

Commissioner

Annual Report

of

Vital Statistics of Massachusetts

(Births, Deaths, Abortions, Marriages, and Divorces)

Prepared by the

Massachusetts Department of Public Health

Office of State Health Planning

Division of Health Statistics & Research

Registry of Vital Records and Statistics

Room 107, McCormack Building

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Boston, Massachusetts

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FOREWORD

This is the 137th Annual Report of Vital Statistics and the 15th prepared by the Department of Public Health. It tabulates Massachusetts births, deaths, fetal deaths, abortions, marriages and divorces occurring in the 1978 calendar year. This report is produced under the provisions of Section 2, Chapter 111 of the Massachusetts General Laws.

This report incorporates several new features this year. New tables on natality (multiple births, parity, etc.) are included. Neonatal mortality by birthweight categories is examined over the last ten years. And there is also an increased focus on the older citizens of Massachusetts, by expanding the detailed age breakdowns for elderly deaths.

It is hoped that this report will be useful to a wide range of health data users in the Commonwealth. Questions concerning these data and requests for more detailed findings should be directed to the Massachusetts Department of Public Health; Division of Health Statistics, Room 335, 80 Boylston Street, Boston, Massachusetts, 02116. Telephone (617) 727-5542.

VITAL EVENTS

During 1978, there were 68,526 births and 52,544 deaths in Massachusetts residents. This is an increase in both the number of births (688) and the number of deaths (918) from 1977. The Massachusetts birth rate of 11.6% births per 1,000 population is somewhat lower than the national rate of 15.3% births per 1,000 population. The death rate in Massachusetts 8.8% deaths per 1,000 people is virtually identical to the national death rate of 8.9%.

Continuing the downward trend of the last few years, 753 infant and 552 neonatal deaths in 1978, resulted in the lowest recorded infant and neonatal death rates (11.0% and 8.1% deaths per 1,000 births) in Massachusetts history. Massachusetts infant mortality rates continue being better than the national rates.

Statistics on fetal deaths for 1978 show a decrease of 16.5% from 1977. However, since the fetal deaths reporting law was changed on January 1, 1973, we believe this low number reflects an under-reporting of these events due to confusion generated by the change.

There were 40,200 legal abortions reported in Massachusetts in 1978; an increase from 34,382 in 1977. This increase is partially accounted for by an increase in the number of reporting institutions during 1978.

Marriages increased again in 1978 from 41,949 to 42,882 and divorces decreased for the second straight year, from 16,398 to 16,156. Both trends are contrary to the national trends.

Tables in this vital events section present breakdowns of vital events by month and location, as well as an historical comparison of natural increase rates in Massachusetts. Detailed statistics reflecting one specific type of event are displayed in succeeding sections of this report.

TABLE 1
SUMMARY OF 1978 VITAL EVENTS

The "vital" events involving Massachusetts residents in 1978 and 1977 compare as follows:

	<u>1978</u>	<u>1977</u>	<u>Per cent change</u>
Live Births	68,526	67,838	+1.0
Fetal Deaths	553	662	-16.5
Infant Deaths	753	803	-6.2
Neonatal Deaths	552	616	-10.4
Total Deaths	52,544	51,626	+1.8
<hr/>			
Marriages	42,882	41,947	+2.2
Divorces	16,156	16,492	-2.0
Abortions	40,200	34,382	+16.9

Note: Total deaths include infant deaths and neonatal deaths but do not include fetal deaths. Figures for marriages, divorces and abortions reflect occurrence, not residence.

MASSACHUSETTS VITAL EVENTS

Each day in Massachusetts, there are approximately:

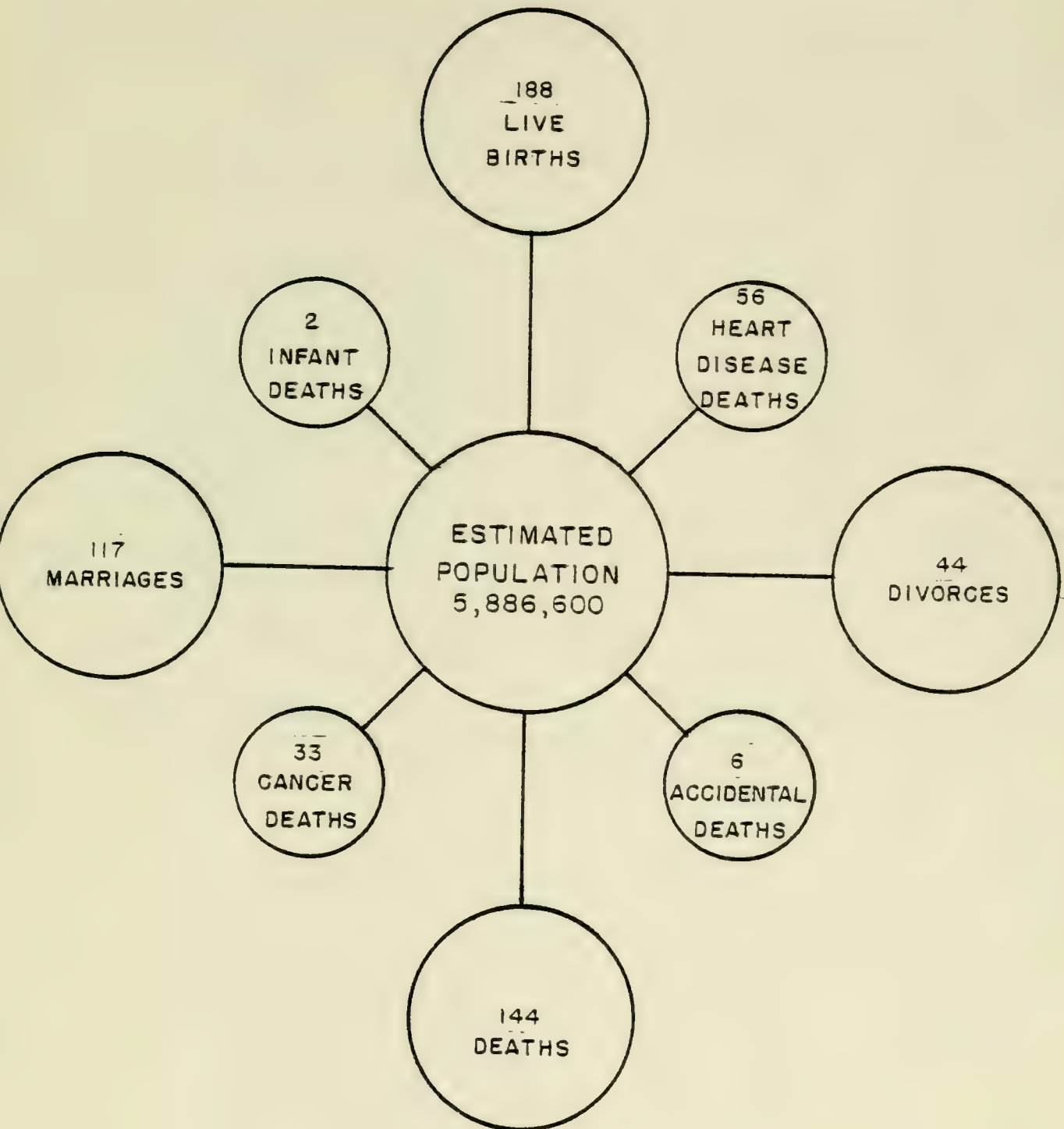


TABLE 2
1978 VITAL EVENTS BY MONTH

	BIRTHS	DEATHS	INFANT DEATHS	NEONATAL DEATHS	ABORTIONS	MARRIAGES	DIVORCES
JANUARY	5,542	5,560	72	49	2,960	1,678	1,078
FEBUARY	5,034	4,413	59	43	2,867	1,722	628
MARCH	5,908	4,412	67	49	3,527	1,798	1,307
APRIL	5,442	4,150	59	42	3,451	3,650	1,425
MAY	5,769	4,271	79	63	3,317	4,321	1,628
JUNE	5,628	4,098	66	59	3,416	5,348	1,398
JULY	6,014	4,376	54	37	3,377	4,346	1,312
AUGUST	6,103	4,064	61	45	3,692	4,599	1,182
SEPTEMBER	5,909	4,035	69	54	3,473	5,277	1,562
OCTOBER	5,915	4,425	54	32	3,430	4,414	1,517
NOVEMBER	5,582	4,187	52	36	3,323	3,081	1,519
DECEMBER	5,680	4,553	61	43	3,367	2,648	1,604
TOTALS	68,526	52,544	753	552	40,200	42,882	16,160

TABLE 3

CRUDE RATES OF VITAL EVENTS
MASSACHUSETTS, UNITED STATES
1970 THROUGH 1978

	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>
MASSACHUSETTS BIRTHS	16.4	15.7	13.3	12.7	12.4	11.8	11.5	11.6	11.6
UNITED STATES BIRTHS	18.2	17.3	15.6	14.9	14.9	14.8	14.7	14.9	15.3
MASSACHUSETTS DEATHS	9.9	9.9	9.9	9.9	9.7	9.6	9.2	8.8	8.9
UNITED STATES DEATHS	9.4	9.3	9.4	9.4	9.2	9.0	8.9	9.1	8.8
MASSACHUSETTS INFANT DEATHS	16.4	17.1	17.4	15.6	14.2	13.4	11.4	11.8	11.0
UNITED STATES INFANT DEATHS	19.8	19.2	18.5	17.7	16.7	16.1	15.2	14.1	13.6
MASSACHUSETTS MARRIAGES	8.3	8.4	8.2	8.0	7.6	7.2	7.0	7.2	7.3
UNITED STATES MARRIAGES	10.7	10.6	10.9	10.9	10.5	10.0	9.9	9.5	10.3
MASSACHUSETTS DIVORCES	1.9	2.2	2.5	2.5	2.8	2.8	2.8	2.8	2.7
UNITED STATES DIVORCES	3.5	3.7	4.0	4.4	4.6	4.8	5.0	5.4	5.2

Note: All rates are per 1,000 population except infant death rates which are based on 1,000 live births.

TABLE 4
MASSACHUSETTS RESIDENT BIRTHS AND DEATHS
AND RESULTANT NATURAL INCREASE

YEAR	1900-1978		
	BIRTHS	DEATHS	NATURAL INCREASE
1900	73,386	51,156	22,230
1905	75,022	50,486	24,536
1910	86,539	54,407	32,132
1915	93,155	53,131	40,024
1920	91,859	53,632	38,227
1925	86,014	51,890	34,124
1930	73,690	49,503	24,187
1935	62,416	49,634	12,782
1940	65,369	50,698	14,671
1945	76,455	50,763	25,692
1950	95,619	50,359	45,260
1955	109,610	53,386	56,224
1960	114,018	56,560	57,458
1965	100,262	58,853	41,409
1970	93,582	56,944	36,638
1971	86,755	56,932	29,823
1972	76,835	56,854	19,981
1973	72,237	57,179	15,058
1974	70,071	55,776	14,295
1975	68,070	53,708	14,362
1976	65,947	53,980	11,967
1977	67,838	51,626	16,212
1978	68,526	52,544	15,982

FIGURE 2
RATE OF NATURAL INCREASE
1900-1978

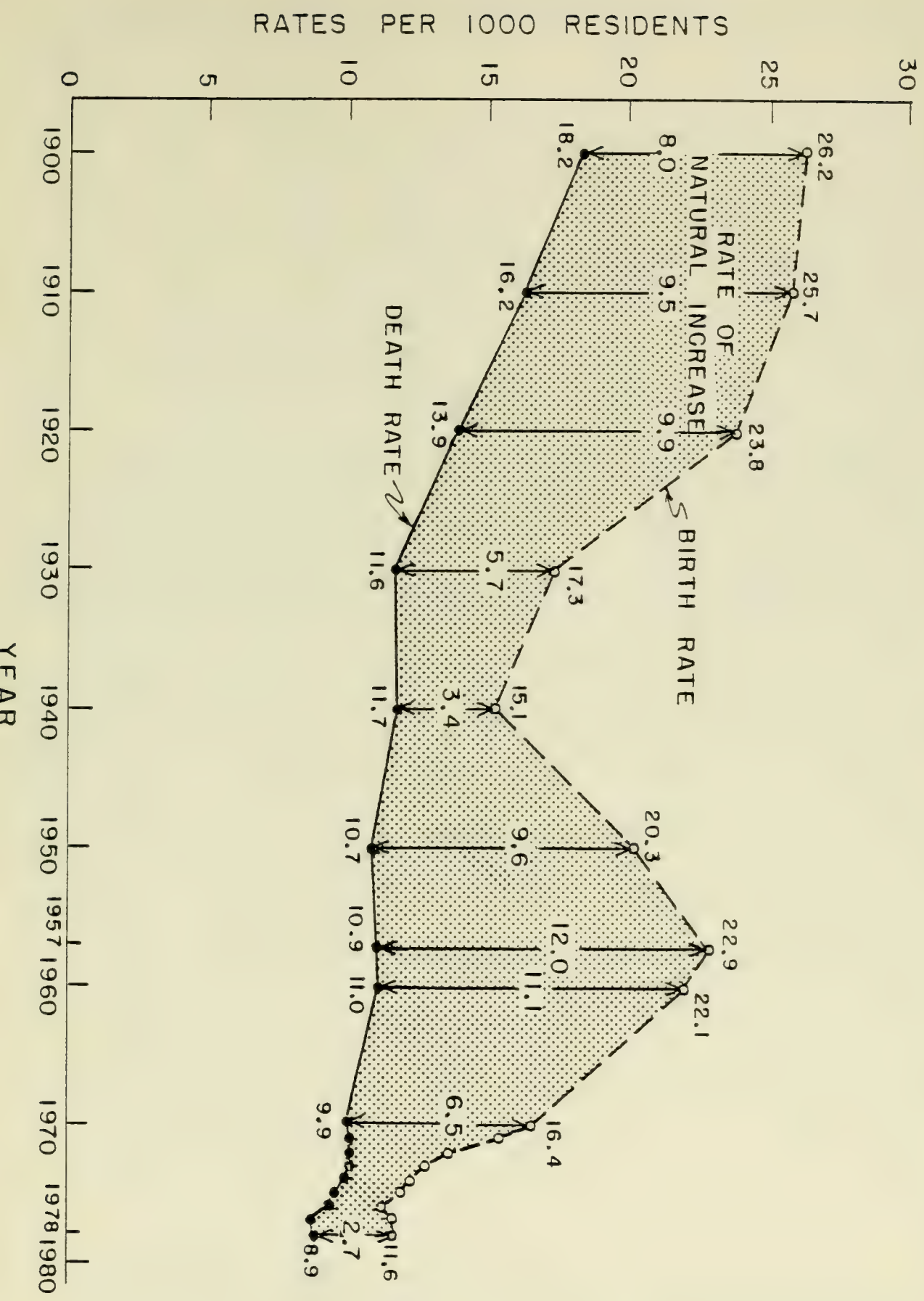


TABLE 5A

BIRTHS AND DEATHS BY CITY/TOWN OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

CITY / TOWN	OCCURRENCE		BIRTH		RESIDENT		BIRTHS		DEATHS		RESIDENT		DEATHS		RESIDENT			
	BIRTHS	DEATHS	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	BIRTHS		DEATHS		RESIDENT		DEATHS			
									ALL	NATURAL	ALL	NATURAL	ALL	NATURAL	ALL	NATURAL		
ARLINGTON	0	49	196	185	96	89	11	5	6	91	39	52	5	1	4	1	3	105
ACTON	3	48	214	204	103	101	10	6	4	78	36	42	4	3	1	4	1	136
ACUSHNET	0	13	78	74	36	38	4	2	2	67	44	23	1	1	0	1	0	11
ADAMS	0	33	126	117	57	60	9	6	3	143	78	65	3	3	0	2	2	-17
AGAWAM	0	109	277	264	133	131	13	5	8	198	107	91	2	1	1	1	0	79
ALFORD	0	1	5	5	3	2	0	0	0	4	2	2	0	0	0	0	0	1
AMESBURY	2	167	231	208	103	105	23	9	14	143	69	74	2	1	1	1	0	88
ANDOVER	2	38	168	162	88	74	6	2	4	79	37	42	1	1	0	1	0	89
APLINGTON	1	36	269	258	136	122	11	5	6	163	83	80	7	3	4	7	3	106
ASHBURNHAM	5	401	447	422	214	208	25	11	14	471	213	258	2	1	1	1	0	-24
ASHBURY	1	5	53	50	27	23	3	3	0	29	18	11	0	0	0	0	0	24
ASHFIELD	1	0	41	36	20	16	5	1	4	15	8	7	1	1	0	0	0	26
ASHLAND	1	4	16	15	8	7	1	0	1	19	9	10	0	0	0	0	0	-3
ATHOL	0	10	112	102	53	49	10	5	5	54	31	23	1	1	0	1	0	58
ATTLEBORO	0	129	129	117	56	61	12	2	10	105	55	50	2	1	1	1	0	24
AUBURN	1009	417	478	445	228	217	33	14	19	295	161	134	3	1	2	2	0	183
AVON	0	26	138	132	60	72	6	3	3	133	77	56	0	0	0	0	0	5
AYER	0	1	55	54	30	24	1	0	1	43	24	19	0	0	0	0	0	12
BARNSTABLE	2	161	224	207	98	109	17	10	7	56	28	28	3	2	1	3	2	168
BARNES	867	815	328	304	143	161	24	12	12	305	167	138	5	3	2	3	1	23
BECKET	1	10	51	45	23	22	6	4	2	33	21	12	0	0	0	0	0	18
BEDFORD	0	6	16	14	6	8	2	1	1	14	12	2	0	0	0	0	0	2
BELCHERTOWN	2	138	152	146	68	78	6	3	3	62	33	29	2	2	0	2	0	90
BELLINGHAM	0	9	110	104	44	60	6	3	3	45	30	15	1	1	0	1	0	65
BELLINGHAM	1	9	219	208	105	103	11	2	9	71	36	35	3	1	2	2	1	148
BELLINGHAM	1	101	215	205	108	97	10	5	5	277	125	152	2	1	1	2	1	-62
BELLEVUE	0	3	40	38	24	14	2	0	2	19	12	7	0	0	0	0	0	21
BELLEVUE	0	0	19	18	10	8	1	1	0	5	3	2	0	0	0	0	0	14
BENNINGTON	0	4	15	13	7	6	2	1	1	16	7	9	0	0	0	0	0	-1
BEVERLY	658	427	424	396	201	195	28	16	12	344	175	169	6	5	1	5	4	80
BILLETICA	1	36	547	551	306	245	36	16	20	175	94	81	4	3	1	2	2	412
BLACKSTONE	0	17	102	99	46	53	3	1	2	69	35	34	0	0	0	0	0	33
BLANDFORD	0	1	9	8	5	3	1	0	1	9	6	3	0	0	0	0	0	0
BOLTON	0	0	43	42	20	22	1	0	1	14	10	4	0	0	0	0	0	29
BOSTON	14227	9456	7102	6431	3347	3084	671	305	366	6028	3099	2928	118	69	48	92	54	1074

CITY / TOWN	OCCURRENCE		BIRTHS		DEATHS		R E S I D E N T		B I R T H S		M A T U R E		D E A T H S		R E S I D E N T		D E A T H S		RESIDENT NATURAL INCREASE
	BIRTHS	DEATHS	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE		
ROUNDE	1	117	205	199	101	98	6	2	4	123	61	62	1	1	0	1	1	0	82
BOXBOROUGH	1	0	54	52	26	26	2	2	0	6	2	4	0	0	0	0	0	0	48
ROXFORD	1	2	49	47	27	20	2	1	1	17	9	8	0	0	0	0	0	0	32
ROYLSTON	0	74	56	54	30	24	2	1	1	21	13	8	0	0	0	0	0	0	35
BRAINTREE	0	354	308	291	169	122	17	8	9	351	169	182	5	3	2	4	2	2	-43
BREWSTER	0	10	60	60	28	32	0	0	0	44	22	22	0	0	0	0	0	0	16
BRIDGEWATER	0	31	199	187	93	94	12	3	9	97	50	47	3	1	2	3	1	2	102
BRIGHTFIELD	0	3	13	13	9	4	0	0	0	18	10	8	0	0	0	0	0	0	-5
BROCKTON	1317	1263	1507	1395	713	682	112	43	69	880	455	424	13	2	10	7	0	6	627
BROOKFIELD	0	10	41	38	18	20	3	3	0	24	15	9	0	0	0	0	0	0	17
BROWNLINE	9	291	429	404	200	204	25	9	16	655	297	358	7	3	4	6	2	4	-226
BUCKLAND	1	8	18	17	9	8	1	0	1	30	18	12	0	0	0	0	0	0	-12
HUPLINGTON	0	9	265	255	128	127	10	4	6	109	66	43	4	2	2	4	2	2	156
CAMBRIDGE	1566	1290	926	871	466	405	55	29	25	799	387	411	10	3	6	6	1	4	127
CANTON	0	23	187	177	85	92	10	3	7	129	64	65	0	0	0	0	0	0	58
CARLISLE	0	1	36	36	15	21	0	0	0	10	8	2	0	0	0	0	0	0	26
CARVER	0	3	135	131	71	60	4	1	3	35	21	14	0	0	0	0	0	0	100
CHARLEMONT	0	2	24	22	13	9	2	2	0	7	2	5	0	0	0	0	0	0	17
CHARLTON	0	21	91	88	40	48	3	0	3	58	36	22	2	1	1	1	0	1	33
CHATHAM	0	31	49	47	26	21	2	2	0	74	41	33	0	0	0	0	0	0	-25
CHELSEA GROVE	0	37	316	301	168	133	15	7	8	166	83	83	0	0	0	0	0	0	150
CHELSEA	2	324	320	292	151	141	28	18	10	334	187	147	4	2	2	3	2	1	-14
CHEFSHIRE	0	5	51	48	20	28	3	0	3	26	17	9	0	0	0	0	0	0	25
CHESTER	0	4	16	14	5	9	2	1	1	10	6	4	0	0	0	0	0	0	6
CHESTERFIELD	0	2	14	14	7	7	0	0	0	9	5	4	0	0	0	0	0	0	5
CHELSEA	2	207	657	620	311	309	37	21	16	570	325	245	6	3	3	4	1	3	67
CHELSEA	0	3	12	11	7	4	1	1	0	7	5	2	0	0	0	0	0	0	5
CLAREMONT	0	1	16	16	6	10	0	0	0	16	10	6	0	0	0	0	0	0	0
CLINTON	1	141	198	184	93	91	14	5	9	142	74	68	4	1	3	4	1	3	56
COMARSET	1	37	63	61	33	28	2	1	1	56	24	32	0	0	0	0	0	0	7
COLBATH	0	4	25	22	9	13	3	1	2	16	6	10	1	1	0	1	1	0	9
CONCORD	1283	335	126	119	54	65	7	2	5	141	53	88	1	1	0	0	0	0	-15
CONWAY	0	2	14	13	7	6	1	1	0	14	6	8	0	0	0	0	0	0	0
CUMMINGTON	1	1	7	6	2	4	1	1	0	9	6	3	0	0	0	0	0	0	-2
CUMMINGTON	0	20	66	62	38	24	4	2	2	53	25	28	1	1	0	1	1	0	13

CITY / TOWN	OCCURRENCE		BIRTHS		DEATHS		RESIDENTS		DEATHS		RESIDENTS		RESIDENT NATURAL INCREASE				
	BIRTHS	DEATHS	TOTAL		TOTAL		TOTAL		TOTAL		TOTAL						
			M	F	M	F	M	F	M	F	M	F					
GILL	0	3	18	18	11	7	0	0	0	0	12	6	6	0	0	0	6
GLoucester	381	305	390	369	199	170	21	5	16	281	137	144	2	2	0	1	109
GOSDEN	0	2	7	7	5	2	0	0	0	5	5	0	0	0	0	0	2
GOSWOLD	0	1	0	0	0	0	0	0	0	2	2	0	0	0	0	0	-2
GRAFTON	0	16	140	134	73	61	6	3	3	95	53	42	1	1	0	1	45
GRADY	0	11	66	62	30	32	4	4	0	38	19	19	1	0	0	0	28
GRANVILLE	0	5	11	11	7	4	0	0	0	10	4	6	0	0	0	0	1
GREAT BARRINGTON	159	205	88	83	45	38	5	2	3	110	62	48	0	0	0	0	-22
GREENFIELD	846	319	224	200	107	93	24	11	13	227	99	128	1	0	1	1	-3
GRIMM	0	19	70	68	38	30	2	1	1	38	15	23	0	0	0	0	32
GROVELAND	0	5	63	62	26	36	1	0	1	28	13	15	1	1	0	0	35
HADLEY	0	10	40	39	18	21	1	1	0	34	19	15	0	0	0	0	6
HALLTAX	2	10	77	70	38	32	7	3	4	54	33	21	2	2	0	1	23
HAMILTON	0	8	77	73	39	34	4	2	2	39	19	20	1	1	0	0	38
HAMPDEN	0	29	51	49	25	24	2	2	0	34	21	13	0	0	0	0	17
HANDOVER	0	0	5	4	2	2	1	1	0	0	0	0	0	0	0	0	5
HANOVER	1	12	118	116	60	56	2	1	1	60	30	30	0	0	0	0	58
HARDEN	1	34	128	120	67	53	8	2	6	57	32	25	1	0	1	0	71
HARDWICK	1	2	35	35	15	20	0	0	0	22	12	10	0	0	0	0	13
HARVARD	2	12	38	34	14	20	4	2	2	14	7	7	1	1	0	0	24
HARVITCH	1	36	84	78	40	38	6	4	2	106	51	55	2	2	0	1	-22
HATFIELD	0	8	27	27	11	16	0	0	0	26	12	14	0	0	0	0	1
HAVENHILL	648	608	637	585	287	298	52	21	31	610	297	313	10	5	5	2	27
HAWLEY	0	0	4	3	1	2	1	0	1	1	1	0	0	0	0	0	3
HEATH	0	1	12	9	5	4	3	2	1	5	2	3	1	1	0	1	7
HINGHAM	1	66	213	201	100	101	12	7	5	137	63	74	1	1	0	1	76
HINGSDALE	0	11	22	21	12	9	1	0	1	13	8	5	0	0	0	0	9
HOLBROOK	0	18	141	139	63	76	2	0	2	96	59	37	0	0	0	0	45
HOLMSTON	0	130	134	127	69	58	7	2	5	111	54	57	1	1	0	1	23
HOLLAND	0	1	26	23	11	12	3	0	3	5	3	2	0	0	0	0	21
HOLLISTON	0	9	199	187	86	101	12	4	8	58	24	34	3	1	2	1	141
HOLYOKE	1475	1040	675	618	322	296	57	25	32	630	298	332	6	6	0	3	45
HOPKINS	0	25	42	41	25	16	1	0	1	50	21	29	0	0	0	0	-8
HOPKINTON	1	5	111	104	59	45	7	2	5	51	30	21	1	1	0	0	60
HUNTINGTON	0	0	27	26	15	11	1	0	1	16	10	6	0	0	0	0	11

CITY / TOWN	OCCURRENCE		BIRTH		RESIDENT		RESIDENT		RESIDENT		RESIDENT		RESIDENT		RESIDENT		RESIDENT NATURAL INCREASE
	BIRTHS		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
HUNSON	0	15	226	213	103	110	13	6	7	126	65	61	0	0	0	0	100
HULL	3	11	117	108	58	50	9	3	6	75	50	25	0	0	0	0	42
HUNTINGTON	1	5	26	26	15	11	0	0	0	11	8	3	0	0	0	0	15
IPSWICH	1	102	139	133	62	71	6	3	3	116	65	51	1	1	0	0	23
KINGSTON	0	14	97	92	53	34	5	2	3	56	25	31	1	0	1	1	41
LAKEVILLE	0	52	68	58	31	27	10	6	4	52	33	19	2	2	0	0	16
LANCASTER	0	23	64	59	35	24	5	4	1	54	28	26	3	3	0	2	10
LANESHOROUGH	1	4	27	25	9	16	2	0	2	20	8	12	1	0	1	1	7
LAWRENCE	1206	858	1117	1047	525	522	70	37	33	785	417	368	8	6	2	5	332
LEF	0	25	75	71	34	37	4	0	4	43	31	12	0	0	0	0	32
LEFTFESTER	0	9	137	132	72	60	5	2	3	64	33	31	1	0	1	1	73
LEHIGH	1	51	78	74	37	37	4	3	1	52	24	28	1	0	1	1	26
LEWISTON	866	271	502	477	261	216	25	13	12	269	143	126	6	3	3	5	233
LEVENE	1	0	21	21	12	9	0	0	0	4	2	2	0	0	0	0	17
LEXINGTON	0	130	230	216	107	109	14	8	6	242	121	121	0	0	0	0	-12
LEYDEN	0	0	9	9	6	3	0	0	0	2	0	2	0	0	0	0	7
LITCHFIELD	0	12	28	25	12	13	3	1	2	28	12	16	0	0	0	0	0
LITTLETON	0	18	92	88	48	40	4	2	2	44	29	15	1	0	1	1	48
LONGMEADOW	0	44	122	112	49	63	10	6	4	140	64	76	0	0	0	0	-18
LOWELL	2454	1430	1564	1451	764	687	113	47	66	1055	549	506	27	15	12	16	509
LUDLOW	2	125	208	197	112	85	11	6	5	117	64	53	0	0	0	0	91
LYNN	0	16	87	76	38	38	11	8	3	53	28	25	2	1	1	1	34
LYNNFIELD	0	8	86	81	51	30	5	4	1	81	52	29	0	0	0	0	55
LYNNFIELD	0	8	86	81	51	30	5	4	1	81	52	29	0	0	0	0	5
MALDEN	1504	485	630	598	329	269	32	18	14	621	306	315	7	2	5	6	9
MANCHESTER	0	15	56	56	24	32	0	0	0	47	31	16	0	0	0	0	9
MANSFIELD	2	13	202	195	101	94	7	4	3	92	57	35	1	1	0	1	110
MARLBOROUGH	1	122	152	149	74	75	3	2	1	206	101	105	0	0	0	0	-54
MARLBOROUGH	0	6	28	27	14	13	1	0	1	34	20	14	0	0	0	0	-6
MARLBOROUGH	4	342	449	424	217	207	25	13	12	246	113	133	3	2	1	3	203
MARLBOROUGH	0	39	299	274	134	140	25	16	9	143	81	62	0	0	0	0	156
MARLBOROUGH	0	16	59	54	25	29	5	2	3	30	15	15	0	0	0	0	29
MARLBOROUGH	1	17	60	60	26	34	0	0	0	45	23	22	0	0	0	0	15
MARLBOROUGH	0	17	108	100	56	44	8	2	6	94	52	42	0	0	0	0	14
MEDFELD	0	34	124	119	59	60	5	4	1	60	34	25	2	1	0	2	64

CITY / TOWN	OCCURRENCE BIRTHS DEATHS	RESIDENTS ---M A L E--- TOTAL						RESIDENTS ---M A L E--- TOTAL						RESIDENTS ---M A L E--- TOTAL						RESIDENT NATURAL INCREASE
		BIRTHS			DEATHS			BIRTHS			DEATHS			BIRTHS			DEATHS			
		MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	
ANDOVER	4	57	293	278	144	134	15	10	5	172	99	73	0	0	0	0	0	0	121	
NORTH BRIMFIELD	0	11	61	54	25	29	7	6	1	33	13	20	2	2	0	1	1	0	28	
NORTH BRIMFIELD	0	12	140	136	72	64	4	1	3	67	35	32	2	2	0	1	1	0	73	
NORTH BRIMFIELD	955	602	236	224	129	95	12	7	5	317	157	160	2	2	0	2	2	0	-81	
NORTH BRIMFIELD	0	23	137	114	74	60	3	1	2	59	37	22	1	1	0	1	1	0	78	
NORTH BRIMFIELD	1	119	200	185	93	92	15	5	10	131	70	61	3	2	1	2	2	0	69	
NORTH BRIMFIELD	0	8	23	21	4	17	2	1	1	28	20	8	1	0	1	1	0	1	-5	
NORTH BRIMFIELD	1	49	170	161	86	75	9	3	6	77	39	38	1	0	1	0	0	0	93	
NORTH BRIMFIELD	0	39	102	98	56	42	4	1	3	48	21	27	0	0	0	0	0	0	54	
NORTH BRIMFIELD	927	547	302	282	116	166	20	10	10	286	142	144	4	2	3	1	2	0	16	
OAK BLUFFS	63	75	14	13	5	4	1	0	1	37	20	17	0	0	0	0	0	0	-23	
OAK BLUFFS	0	1	22	22	13	9	0	0	0	6	4	2	0	0	0	0	0	0	16	
ORANGE	0	9	93	87	49	38	6	2	4	51	25	26	1	0	1	0	0	0	42	
ORANGE	0	27	47	45	28	17	2	2	0	69	34	35	0	0	0	0	0	0	-22	
OTTIS	0	0	13	13	7	6	0	0	0	4	3	1	0	0	0	0	0	0	9	
OTTIS	0	21	162	151	69	82	11	5	6	71	43	28	2	1	1	1	1	0	91	
PALETTA	0	117	134	124	71	53	10	6	4	115	65	50	1	1	0	1	1	0	19	
PARTON	0	5	32	30	15	15	2	1	1	32	18	14	0	0	0	0	0	0	0	
PEARBODY	1	256	486	462	232	230	24	12	12	368	190	178	4	2	2	3	1	2	118	
PELHAM	0	1	14	13	8	5	1	0	1	7	4	3	0	0	0	0	0	0	7	
PEPPERELL	0	25	184	178	92	86	6	3	3	81	46	35	2	1	1	0	0	0	103	
PEPPERELL	2	7	141	131	77	54	10	6	4	47	29	18	0	0	0	0	0	0	94	
PERU	0	0	10	10	7	3	0	0	0	0	0	0	0	0	0	0	0	0	10	
PETERSHAM	0	2	8	8	6	2	0	0	0	10	1	9	0	0	0	0	0	0	-2	
PHILLIPSTON	1	2	12	12	6	6	0	0	0	4	1	3	0	0	0	0	0	0	8	
PLATTSFIELD	1283	735	621	585	300	265	56	32	24	568	286	282	10	6	4	9	5	4	53	
PLATTSFIELD	0	2	7	7	3	4	0	0	0	5	2	3	0	0	0	0	0	0	2	
PLATTSVILLE	2	5	66	60	30	30	6	5	1	36	21	15	1	1	0	1	1	0	30	
PLATTSVILLE	550	385	551	526	271	245	25	11	14	277	136	141	1	0	1	0	0	0	274	
PLYMOUTH	0	2	27	25	12	13	2	0	2	7	5	2	0	0	0	0	0	0	20	
PRINCETON	0	1	34	33	18	15	1	0	1	15	9	6	0	0	0	0	0	0	19	
PROVIDENCE	4	25	38	37	19	18	1	1	0	49	28	21	0	0	0	0	0	0	-11	
QUINCY	1003	832	867	824	433	391	43	25	18	990	506	484	10	7	3	7	4	3	-123	
RANDOLPH	0	50	249	249	118	126	15	6	9	232	119	113	3	1	2	1	0	1	27	
RAYMOND	0	14	117	110	59	51	7	3	4	50	31	19	2	2	0	1	1	0	67	

CITY / TOWN	OCCURRENCE		BIRTH		RESIDENT		BIRTHS		M A T U R E		DEATHS		RESIDENT		DEATHS		NEONATAL		RESIDENT NATURAL INCREASE
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	
READING	1	39	238	230	126	104	8	5	3	158	94	64	1	1	0	1	1	0	80
REHOBOTH	1	6	83	81	50	31	2	0	2	48	33	15	0	0	0	0	0	0	35
REVERE	1	154	385	357	189	168	28	13	15	431	230	201	1	1	0	0	0	0	-46
RICHMOND	0	3	12	10	6	4	2	0	2	9	2	7	0	0	0	0	0	0	3
RICHMOND	0	0	41	40	26	14	1	0	1	12	4	8	0	0	0	0	0	0	29
ROCKLAND	1	86	217	205	111	94	12	8	4	140	72	68	7	3	4	5	3	2	77
ROCKPORT	1	29	42	39	19	20	3	2	1	64	33	51	0	0	0	0	0	0	-42
ROWE	1	1	3	3	0	3	0	0	0	2	2	0	0	0	0	0	0	0	1
ROWLEY	0	12	62	55	34	21	7	0	7	20	10	10	3	1	2	3	1	2	42
ROYALSTON	1	1	18	16	9	7	2	1	1	7	3	4	0	0	0	0	0	0	11
RUSSELL	0	2	19	18	8	10	1	0	1	4	3	1	0	0	0	0	0	0	15
RUTLAND	0	33	75	68	30	38	7	3	4	33	17	16	2	1	1	2	1	1	42
SALEM	1063	616	467	428	206	222	39	14	25	404	204	200	4	1	3	3	0	3	63
SALISBURY	0	26	67	61	26	35	6	4	2	56	34	22	1	0	1	1	0	1	11
SANDSFIELD	0	10	1	1	1	0	0	0	0	13	10	3	0	0	0	0	0	0	-12
SANDWICH	0	12	83	83	40	43	0	0	0	56	36	20	0	0	0	0	0	0	27
SAUGUS	0	126	241	231	130	101	10	6	4	213	109	104	1	1	0	1	1	0	28
SAVINY	0	2	4	3	2	1	1	0	1	3	2	1	0	0	0	0	0	0	1
SCITUATE	2	43	175	166	74	92	9	4	5	125	60	65	3	2	1	2	2	0	50
SPEKTHAM	0	12	134	128	64	64	6	5	1	84	49	35	1	1	0	1	1	0	50
SHARON	0	33	149	136	71	65	13	4	9	73	41	32	0	0	0	0	0	0	76
SHEFFIELD	2	4	32	31	15	16	1	1	0	23	11	12	0	0	0	0	0	0	9
SHEL BURN	0	8	27	24	7	17	3	2	1	15	7	8	1	0	1	1	0	1	12
SHERBURN	0	3	31	30	11	19	1	0	1	23	9	14	0	0	0	0	0	0	8
SHERLEY	0	4	81	76	42	34	5	2	3	32	23	9	0	0	0	0	0	0	49
SHERBURN	0	62	263	245	131	114	18	11	7	158	91	67	4	3	1	4	3	1	105
SHUTE BURN	0	4	14	14	9	5	0	0	0	7	5	2	0	0	0	0	0	0	7
SIMESSET	1	16	150	140	72	68	10	1	9	158	87	71	2	0	2	2	0	2	-8
SOMERVILLE	3	452	913	864	452	412	49	22	27	746	381	365	9	3	6	7	3	4	167
SOUTH BARNLEY	0	32	150	146	70	76	4	3	1	130	70	60	2	1	1	1	1	0	20
SOUTHAMPTON	0	4	62	56	28	28	6	4	2	16	8	8	0	0	0	0	0	0	46
SOUTHAMPTON	1	3	61	58	28	30	3	2	1	32	17	15	1	1	0	1	1	0	29
SOUTHAMPTON	513	247	222	206	94	112	16	5	11	210	110	100	2	1	1	1	1	1	12
SOUTHAMPTON	0	5	103	97	53	44	6	2	4	42	25	17	0	0	0	0	0	0	61
SPEKTHAM	0	17	163	149	79	70	14	11	3	80	35	45	1	0	1	1	0	0	83

CITY / TOWN	OCCURRENCE		R E S I D E N T B I R T H S				R E S I D E N T D E A T H S				R E S I D E N T N A T U R A L I N C R E A S E								
	BIRTHS DEATHS		TOTAL				TOTAL				TOTAL								
			MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE					
SPRINGFIELD	4705	2553	2291	2111	1140	971	180	85	95	1639	837	802	28	12	16	20	7	13	652
STERLING	0	1	51	51	26	25	2	2	0	32	21	11	1	1	0	1	1	0	21
STOCKBRIDGE	1	11	22	19	10	9	3	1	2	32	19	13	0	0	0	0	0	0	-10
STODDARD	747	280	232	221	116	105	11	4	7	161	75	86	0	0	0	0	0	0	71
STOUGHTON	1850	446	328	312	148	164	16	8	8	202	114	88	4	2	2	2	1	1	126
STON	0	8	67	64	31	33	3	2	1	27	9	18	2	1	1	1	1	0	40
STURBRIDGE	0	4	61	58	28	30	3	3	0	22	14	8	0	0	0	0	0	0	39
SUNDERBY	0	17	133	130	65	65	3	0	3	58	28	30	1	1	0	1	1	0	75
SUNDERLAND	0	29	32	32	22	10	0	0	0	17	12	5	0	0	0	0	0	0	15
SUTTON	0	3	77	73	41	32	4	1	3	32	18	14	1	0	1	1	0	1	45
SWAMPSCOTT	1	18	99	93	47	46	6	4	2	132	67	65	0	0	0	0	0	0	-33
SWANSEA	0	43	175	172	93	79	3	0	3	118	65	53	0	0	0	0	0	0	57
TABERTON	717	445	628	589	300	289	39	13	26	419	221	198	7	5	2	4	2	2	209
TEMPLETON	0	10	70	67	42	25	3	2	1	43	26	17	1	1	0	1	1	0	27
TEMPESWARY	0	251	288	269	144	125	19	8	11	141	69	72	3	2	1	2	1	1	147
TISHUPE	0	9	36	32	16	16	4	1	3	34	12	22	0	0	0	0	0	0	2
TOLLAND	0	0	3	3	1	2	0	0	0	1	0	1	0	0	0	0	0	0	2
TORRINGTON	0	4	49	46	23	23	3	1	2	34	17	17	2	1	1	2	1	1	15
TOWNSEND	2	5	154	143	70	73	11	7	4	28	16	12	2	2	0	2	2	0	126
TOWN	0	8	15	13	5	8	2	0	2	17	11	6	0	0	0	0	0	0	-2
TYNGSBURG	0	5	87	80	46	34	7	4	3	37	22	15	2	2	0	2	2	0	50
TYRINGHAM	0	0	4	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	4
UPTON	0	5	57	55	32	23	2	2	0	28	15	13	0	0	0	0	0	0	29
UXBRIDGE	0	18	134	126	63	63	8	5	3	77	38	39	0	0	0	0	0	0	57
WAKEFIELD	1	55	261	249	121	128	12	9	3	195	88	107	1	1	0	1	1	0	66
WALTON	0	1	12	11	6	5	1	0	1	2	1	1	0	0	0	0	0	0	10
WALPOLE	0	24	185	167	93	74	18	8	10	105	62	43	2	2	0	2	2	0	80
WALTHAM	846	581	668	633	308	325	35	18	17	478	243	235	5	4	1	3	2	1	190
WARD	266	145	87	80	48	32	7	5	2	88	40	48	2	0	2	2	0	2	-1
WARREN	272	222	240	224	114	110	16	2	14	181	111	70	1	0	1	0	0	0	59
WARREN	0	10	50	47	22	25	3	2	1	34	24	10	0	0	0	0	0	0	16
WARWICK	0	4	10	9	4	5	1	0	1	4	1	3	0	0	0	0	0	0	6
WASHINGTON	1	5	5	5	4	1	0	0	0	3	2	1	1	1	0	1	1	0	2
WATERBURY	4	97	341	319	167	172	22	9	13	325	169	156	2	2	0	1	1	0	36
WATLAND	0	26	117	110	59	51	7	1	6	72	34	38	0	0	0	0	0	0	45

CITY / TOWN	OCCURRENCE BIRTHS	R F S I D E N T		R I R I H S		U R F		ALL DEATHS		R E S I D E N T		D E A T H S		---NEONATAL---		RESIDENT NATURAL INCREASE	
		M A I N		M A I N		M A I N		TOTAL	TOTAL	M A I N		M A I N		TOTAL	TOTAL		
		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE			MALE	FEMALE	MALE	FEMALE				
WERTER	1	169	161	145	70	75	16	9	7	163	89	74	1	1	0	1	-2
WELLSLEY	1	116	203	195	101	94	8	3	5	213	95	118	4	2	2	3	-10
WELFLEET	0	7	30	28	14	14	2	2	0	23	13	10	0	0	0	0	7
WENDLE	0	0	9	9	4	5	0	0	0	5	3	2	0	0	0	0	4
WENHAM	0	4	31	28	12	16	3	1	2	22	6	16	0	0	0	0	9
WEST RIVINGTON	0	18	57	54	22	32	3	1	2	38	24	14	1	0	1	1	19
WEST SPRINGFIELD	0	10	70	65	32	33	5	4	1	38	17	21	0	0	0	0	32
WEST BRIDGEFIELD	0	34	30	27	12	15	3	3	0	25	15	10	1	1	0	1	5
WEST NEWBURY	0	1	44	41	20	21	3	1	2	20	9	11	1	0	1	1	24
WEST SPRINGFIELD	0	65	243	272	119	153	11	6	5	233	129	104	1	1	0	1	50
WEST STOCKBRIDGE	1	4	12	11	9	2	1	1	0	8	4	4	0	0	0	0	4
WEST TISBURY	0	1	11	11	5	6	0	0	0	6	2	4	0	0	0	0	5
WESTBOROUGH	2	46	100	133	62	71	7	3	4	75	47	28	1	1	0	0	65
WESTFIELD	1	332	441	413	213	200	28	12	16	264	123	141	8	2	6	6	177
WESTFORD	3	26	175	162	80	82	13	6	7	60	30	30	1	0	1	1	115
WESTHAMPTON	0	0	19	18	6	12	1	0	1	8	6	2	0	0	0	0	11
WESTMINSTER	0	4	61	60	30	30	1	1	0	28	18	10	0	0	0	0	33
WESTON	0	22	62	57	30	27	5	1	4	72	36	36	1	1	0	1	-10
WESTPORT	2	14	151	144	68	76	7	3	4	75	41	34	3	0	3	1	76
WESTWOOD	1	19	112	107	56	51	5	1	4	101	48	53	0	0	0	0	11
WEYMOUTH	1846	707	615	549	309	280	26	18	8	451	237	214	4	4	0	4	164
WHATELY	0	0	19	19	8	11	0	0	0	6	4	2	1	0	1	0	13
WHITMAN	0	31	224	217	112	105	7	2	5	104	52	52	3	1	2	2	120
WILBRAHAM	0	10	97	94	54	40	3	1	2	74	35	39	1	0	1	1	23
WILLIAMSBURG	0	16	27	27	16	11	0	0	0	24	12	12	0	0	0	0	3
WILLIAMSTOWN	2	61	62	60	35	25	2	1	1	60	34	26	1	1	0	0	2
WILMINGTON	1	17	205	197	100	97	8	5	3	106	61	45	1	1	0	1	99
WINCHESTER	0	24	94	86	43	43	8	4	4	56	34	22	1	0	1	1	38
WINCHESTER	1562	262	199	190	93	97	9	4	5	155	86	69	3	2	1	3	44
WINDSOR	0	2	4	3	1	2	1	0	1	3	1	2	0	0	0	0	1
WINTHROP	1	209	180	167	92	75	13	6	7	243	109	134	3	1	2	3	-63
WORCUM	3	321	447	425	231	194	22	11	11	275	133	142	4	1	3	4	172
WORCESTER	4793	2917	2089	1924	906	932	161	74	87	1968	959	1009	28	16	12	18	121
WORTHINGTON	0	2	11	11	5	6	0	0	0	10	5	5	0	0	0	0	1
WRENTHAM	1	22	89	82	45	37	7	5	2	71	44	27	2	1	1	1	18
YABWORTH	1	81	148	137	80	57	11	5	6	286	156	130	2	0	2	1	-138
TOTALS	70269	52901	64526	64038	33024	31010	4488	2095	2392	52544	26990	25549	753	419	324	552	15982

TABLE 5B

BIRTHS AND DEATHS BY COUNTY OF OCCURRENCE AND RESIDENCE WITH NATURAL INCREASE

C O U N T Y	OCCURRENCE BIRTHS DEATHS	R E S I D E N T B I R T H S				R E S I D E N T D E A T H S				R E S I D E N T N A T U R A L I N C R E A S E			
		B I R T H S		D E A T H S		D E A T H S		N A T U R A L I N C R E A S E		N A T U R A L I N C R E A S E		N A T U R A L I N C R E A S E	
		TOTAL	MALE	TOTAL	MALE	TOTAL	MALE	TOTAL	MALE	TOTAL	MALE	TOTAL	MALE
BARNSTABLE	1415	1503	1495	760	735	98	49	1586	844	742	17	9	8
BERKSHIRE	1801	1516	1492	772	720	118	58	1471	771	700	22	14	8
BRISTOL	5829	4055	5739	2975	2764	397	176	4488	2377	2111	58	27	31
DUKES	64	95	94	88	47	41	6	114	54	60	0	0	0
ESSEX	7536	6066	7125	3638	3487	510	228	6286	3242	3043	91	53	37
FRANKLIN	852	564	795	386	351	58	29	656	320	336	8	3	5
HAMPDEN	6186	4503	5246	2738	2508	386	182	4286	2218	2068	53	26	27
HAMPSHIRE	1224	921	1302	639	598	65	39	997	514	483	11	6	5
MIDDLESEX	15385	10494	14911	7715	7196	908	416	11253	5613	5639	152	88	63
NANTUCKET	64	47	68	31	30	7	3	55	29	26	1	1	0
NORFOLK	5638	4312	6103	5766	2931	317	148	5257	2681	2575	72	43	28
PLYMOUTH	2153	2687	5572	5236	2538	336	142	3112	1607	1504	49	20	28
SUFFOLK	14231	10343	7987	7247	3779	740	342	7036	3625	3410	126	73	52
WORCESTER	7891	5795	8180	7638	3919	542	281	5947	3095	2852	93	56	37
TOTAL	70269	52901	68526	64038	33028	4488	2095	52544	26990	25549	753	419	329

NATALITY

The number of births to Massachusetts residents in 1978 increased to 68,526, 1% more than the 67,838 recorded in 1977. The crude birth rate remained at 11.6% births per 1,000, still below the U.S. rate of 15.3%. Slightly more males than females were born. 6.4% of all births were of immature birth weight (2500 grams or less). Approximately 2% of all births were multiple births.

Teenage mothers accounted for 7,801 births, 11.4% of all births. Both the total number of teenage births and percent of births continue declining in Massachusetts.

There were 59,166 babies born to married mothers. There were 9,360 babies born to unwed mothers in 1978. 30,231 babies (44.1%) were the first born to their mothers.

The Massachusetts fertility rate (births per 1000 women of child-bearing age) was 49.5%, again below the U.S. rate of 66.4%. There were important differences in fertility rates for the various female age groups. The highest age-specific fertility rate is found in the 25-29 year old group (92.3%), followed by the 20-24 year olds (73.3%). The 30-34 year old age group was the only group to show an increase in fertility rates from 1977 to 1978, an increase from 55.7% to 59.0%.

TABLE 6
RESIDENT BIRTHS BY SEX AND RACE

	MALE	FEMALE	TOTAL
WHITE	31,914	30,338	62,253*
NON-WHITE	2,949	2,813	5,762
UNKNOWN	260	251	511
TOTAL	35,123	33,402	68,526*

*Total includes 1 birth of unknown sex.

TABLE 7
SINGLE AND MULTIPLE RESIDENT BIRTHS
1969-1978

	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
SINGLE	90,423	91,652	85,119	75,307	70,788	68,812	66,678	64,698	66,514	67,189
TWINS	1,890	1,889	1,615	1,487	1,436	1,242	1,367	1,213	1,300	1,319
TRIPLETS	54	30	18	39	13	13	21	31	23	14
QUADS OR MORE	0	8	0	0	0	4	3	4	0	4
UNKNOWN	36	3	3	2	0	1	1	1	1	0
TOTAL	92,403	93,582	86,755	76,835	72,237	70,071	68,070	65,947	67,838	68,526

% (PERCENT)

SINGLE	97.9	97.9	98.1	98.0	98.0	98.2	98.0	98.1	98.0	98.0
TWINS	2.0	2.0	1.9	1.9	2.0	1.8	2.0	1.9	1.9	1.9
TRIPLETS	0.1	*	*	1.0	*	*	*	*	*	*
QUADS OR MORE	0.0	*	0.0	0.0	0.0	*	*	*	0.0	*

*=Less than 0.1%

TABLE 8
RESIDENT LIVE BIRTHS TO TEENAGE MOTHERS
(1969-1978)

YEAR	TOTAL BIRTHS	AGE OF MOTHER								TOTAL 12-19	PERCENT OF TOTAL BIRTHS
		12	13	14	15	16	17	18	19		
1970	93,582	3	8	70	320	802	1,726	3,043	4,285	10,257	10.9
1971	86,755	3	23	84	313	875	1,738	2,981	4,000	10,017	11.5
1972	76,835	1	20	103	348	955	1,841	2,834	3,690	9,792	12.7
1973	72,237	0	12	93	393	959	1,759	2,584	3,282	9,082	12.6
1974	70,071	2	16	79	333	895	1,762	2,524	3,181	8,792	12.5
1975	68,070	2	18	84	325	915	1,678	2,560	3,085	8,667	12.7
1976	65,947	7	12	96	336	807	1,478	2,332	2,923	7,991	12.1
1977	67,838	1	18	68	270	792	1,477	2,293	2,913	7,832	11.5
1978	68,526	3	15	67	303	737	1,445	2,252	2,979	7,801	11.4

TABLE 9
RESIDENT LIVE BIRTHS BY AGE, RACE AND MARITAL STATUS OF MOTHER

AGE OF MOTHER	TOTAL			WHITE			NON-WHITE			UNKNOWN		
	TOTAL	WED	UNWED	TOTAL	WED	UNWED	TOTAL	WED	UNWED	TOTAL	WED	UNWED
UNDER 15	85	8	77	58	8	50	25	0	25	2	0	2
15	303	53	250	241	52	189	57	1	56	5	0	5
16	737	209	528	604	203	401	127	5	122	6	1	5
17	1,445	599	846	1,200	575	625	231	22	209	14	2	12
18	2,252	1,171	1,081	1,954	1,127	827	272	33	239	26	11	15
19	2,979	1,877	1,101	2,628	1,793	834	330	73	257	21	11	10
20-24	20,214	16,930	3,277	18,532	16,125	2,404	1,536	699	835	146	106	38
25-29	23,847	22,410	1,428	22,218	21,220	995	1,460	1,045	414	169	145	19
30-34	12,994	12,449	537	12,095	11,710	382	803	655	148	96	84	7
35-39	3,139	2,957	182	2,843	2,709	134	253	210	43	43	38	5
40-44	500	477	23	451	430	21	40	38	2	9	9	0
OVER 44	26	21	5	22	19	3	4	2	2	0	0	0
UNKNOWN	5	5	0	3	3	0	0	0	0	2	2	0
TOTALS	68,526	59,166	9,335	62,849	55,974	6,865	5,138	2,783	2,352	539	409	118

TABLE 10

1978 BIRTHS - PARITY BY AGE OF MOTHER

AGE OF MOTHER	1ST	2ND	3RD	4TH	5TH	6TH	7TH	8TH	9 AND MORE	UNKNOWN	TOTAL
10-14	82	1	--	--	--	--	--	--	--	2	85
15-19	6,274	1,168	163	16	3	--	--	--	--	92	7,716
20-24	10,860	6,693	1,945	405	94	18	1	--	--	198	20,214
25-29	9,329	8,544	4,066	1,180	329	105	29	6	5	254	23,847
30-34	3,182	4,412	3,107	1,312	521	171	70	43	28	148	12,994
35-39	438	709	751	494	308	157	106	59	53	64	3,139
40-44	56	69	55	82	63	47	48	27	38	15	500
45 AND MORE	7	4	2	1	1	2	1	3	4	1	26
UNKNOWN AGE	3	--	--	--	--	--	--	--	--	2	5
	30,231	21,600	10,089	3,490	1,319	500	255	138	128	776	68,526

TABLE 11

AGE-SPECIFIC BIRTH RATES AMONG MASSACHUSETTS WOMEN: 1977-1978

Age of Mother (years)	<u>1977</u>		<u>1978</u>		Change in Rate (percent)
	<u>Births</u> <u>1000 Women</u>	<u>Rate</u>	<u>Births</u> <u>1000 Women</u>	<u>Rate</u>	
15-19	<u>7,745</u> 295.3	26.2	<u>7,801</u> 296.7	26.3	+1
20-24	<u>20,420</u> 278.6	73.3	<u>20,215</u> 275.6	73.3	0
25-29	<u>24,131</u> 256.5	94.1	<u>23,847</u> 258.3	92.3	-1.8
30-34	<u>11,944</u> 214.5	55.7	<u>12,994</u> 220.1	59.0	+3.3
35-39	<u>2,929</u> 167.7	17.5	<u>3,139</u> 178.3	17.6	+1
40-44	<u>548</u> 151.0	3.6	<u>500</u> 153.4	3.3	+3
Massachusetts General Fertility Rate		49.7		49.5	-.2
United States General Fertility Rate		67.4		66.4	-.1

Source: The 1977 and 1978 populations are interpolated from state populations projected by the Office of State Health Planning.

Note: The numerator of the births per thousand women represents the number of births to mothers in that age group. The denominator represents the number (in thousands) of women in that age group.

TABLE 12

MASSACHUSETTS
RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND WEIGHT OF INFANT

TOTAL BIRTHS		UNDER 15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-44	OVER 44	UNKNOWN	TOTAL
BIRTH WEIGHT															
UNDER 1001 GRAMS		1	1	5	14	13	11	103	112	40	20	4	0	1	325
1001-1500 GRAMS		3	0	10	12	19	23	114	101	63	19	1	0	0	365
1501-2000 GRAMS		2	4	17	23	42	55	236	240	137	42	9	1	0	816
2001-2500 GRAMS		9	19	40	90	134	182	919	877	484	130	19	0	0	2912
2501-3000 GRAMS		19	59	160	295	462	557	3591	3530	1804	456	77	4	1	11111
3001-3500 GRAMS		22	138	291	584	894	1182	7820	9020	4780	1057	166	0	0	25978
3501-4000 GRAMS		25	69	168	330	554	750	5655	7244	3960	954	144	10	2	19801
4001-4500 GRAMS		3	11	33	80	108	181	1460	2243	1311	358	61	2	1	5852
4501-5000 GRAMS		1	2	4	7	23	24	273	304	270	40	16	0	0	1004
OVER 5000 GRAMS		0	0	1	0	2	4	24	46	35	17	3	0	0	132
UNKNOWN WEIGHT		0	0	0	2	1	2	19	26	14	6	0	0	0	70
TOTAL		45	303	737	1445	2252	2979	20214	23847	12994	3139	500	26	5	68526

MARRIED MOTHERS		UNDER 15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-44	OVER 44	UNKNOWN	TOTAL
BIRTH WEIGHT															
UNDER 1001 GRAMS		0	0	0	3	8	3	70	97	37	18	4	0	1	241
1001-1500 GRAMS		0	0	3	5	0	16	87	91	60	18	1	0	0	289
1501-2000 GRAMS		0	1	1	12	17	30	170	216	125	35	9	0	0	624
2001-2500 GRAMS		0	3	14	31	62	96	692	785	441	110	19	1	0	2204
2501-3000 GRAMS		2	12	44	110	205	302	2861	3260	1777	423	74	1	1	9075
3001-3500 GRAMS		1	24	83	245	482	750	6509	8450	4580	1002	154	6	0	22294
3501-4000 GRAMS		4	10	50	150	305	523	4937	6922	3860	903	139	0	2	17813
4001-4500 GRAMS		1	3	12	34	66	134	1310	2147	1269	343	59	2	1	5389
4501-5000 GRAMS		0	0	1	6	15	18	244	368	250	75	15	0	0	1009
OVER 5000 GRAMS		0	0	1	0	2	3	20	44	35	17	3	0	0	125
UNKNOWN WEIGHT		0	0	0	1	1	2	14	22	7	5	0	0	0	52
TOTAL		0	53	209	599	1171	1877	16930	22410	12449	2957	477	21	5	59166

UNMARRIED MOTHERS		UNDER 15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-44	OVER 44	UNKNOWN	TOTAL
BIRTH WEIGHT															
UNDER 1001 GRAMS		1	1	5	11	5	0	34	15	3	2	0	0	0	84
1001-1500 GRAMS		3	0	7	7	11	7	27	10	3	1	0	0	0	76
1501-2000 GRAMS		2	4	16	11	25	25	50	32	12	7	0	1	0	192
2001-2500 GRAMS		9	16	26	65	72	86	227	92	43	12	0	0	0	648
2501-3000 GRAMS		17	47	124	185	297	255	730	278	107	33	3	0	0	2036
3001-3500 GRAMS		21	114	200	339	412	432	1311	570	200	55	12	2	0	3684
3501-4000 GRAMS		21	59	110	180	249	235	710	322	108	51	3	2	0	2060
4001-4500 GRAMS		2	0	21	46	42	47	142	96	42	19	2	0	0	403
4501-5000 GRAMS		1	2	3	1	8	6	29	16	12	5	1	0	0	84
OVER 5000 GRAMS		0	0	0	0	0	1	4	2	0	0	0	0	0	7
UNKNOWN WEIGHT		0	0	0	1	0	0	5	4	7	1	0	0	0	10
TOTAL		77	250	528	846	1001	1102	3284	1437	545	102	23	5	0	9360

TABLE 13
BIRTHS BY HOSPITAL OF OCCURRENCE 1970-1978

NAME OF HOSPITAL	HSA SUB AREA	1970	1971	1972	1973	1974	1975	1976	1977	1978
Addison Gilbert	61	443	454	388	325	368	342	328	370	380
Anna Jaques	33	448	432	383	366	550	572	525	637	639
Athol Memorial	12	203	211	184	174	116	4	0	0	0
Barnstable County	57	137	0	0	0	0	0	0	0	0
Bay State Medical Center	13	5161	5013	4405	4297	4278	4408	4279	4670	4697
Berkshire Medical Center	11	1656	1482	1311	1206	1251	1278	1171	1318	1280
Beth Israel	41	3149	2660	2635	2440	2328	2057	2017	1899	2408
Beverly	61	951	807	715	656	574	560	522	600	658
Bon Secours	32	1747	1741	1550	1356	1351	1356	1312	1280	1235
Boston City	41	2371	2173	1799	1764	1637	1618	1601	1649	1521
Boston Hospital for Women Lying-In-Division	41	6878	6221	5903	5886	5993	5994	6165	6423	6418
Brockton	52	1379	1277	1152	1004	994	1094	1174	1237	1307
Burbank	21	875	904	903	828	887	873	836	849	855
Cambridge	42	939	969	923	849	762	752	743	779	718
Cape Cod	57	912	890	816	849	827	778	757	832	865
Charles Choate	42	791	704	597	514	561	435	46	0	0
Chelsea U.S.M.	41	722	543	436	239	1	0	0	0	0
Cooley Dickinson	12	1135	1014	833	854	816	968	888	913	954
Emerson	42	1094	1007	942	936	1069	1178	1120	1277	1283
Fairlawn	22	62	0	0	0	0	0	0	1	0
Fairview	11	179	152	165	122	147	142	135	141	158
Falmouth	57	462	553	441	435	489	402	397	536	528
Farren Memorial	12	294	365	414	441	329	0	0	0	0
Fort Devens U.S.A.F.	21	677	662	493	491	245	4	1	0	0
Franklin County Public	12	703	635	508	416	542	834	824	804	844
Framingham Union	43	2183	1990	1674	1645	1557	1691	1745	1926	1990

<u>NAME OF HOSPITAL</u>	<u>USA SUB AREA</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>
Glover Memorial	43	392	295	310	224	36	0	0	0	2
Goddard Memorial	52	1732	1694	1656	1625	1656	1660	1634	1760	1838
Grover Manor	41	578	415	317	157	3	0	0	0	0
Harrington Memorial	23	531	486	464	498	415	571	560	574	513
Haverhill Municipal	33	1245	1255	1130	995	813	791	674	635	644
Henry Heywood	21	551	506	395	369	350	350	328	345	288
Holten District	22	280	240	50	1	1	0	0	0	0
Holyoke	13	900	894	785	699	33	0	0	0	0
Hubbard Regional	23	312	312	227	197	198	0	1	0	0
Hunt Memorial	62	397	454	461	415	474	487	481	426	412
Huntington General	41	26	0	0	0	0	0	0	0	0
Jordan	53	574	550	555	563	526	494	520	567	548
Lawrence General	32	1212	1267	1129	1230	1252	1190	1150	1178	1205
Lawrence Memorial	65	769	616	617	522	402	219	1	1	1
Leominster	21	853	845	807	727	827	881	840	879	866
Leonard Morse	43	488	547	555	584	628	679	693	645	623
Longwood	41	410	279	2	0	0	0	0	0	0
Lowell General	31	1664	1534	1487	1534	1435	1497	1463	1586	1551
Lynn	63	1400	1504	1396	1359	1348	1362	1327	1348	1270
Malden	65	1724	1774	1580	1519	1588	1653	1645	1559	1503
Marlborough	43	690	632	522	517	452	306	210	0	4
Martha's Vineyard	57	86	102	64	101	102	102	84	75	63
Mary Lane	13	512	471	354	372	354	311	265	297	266
Melrose-Wakefield	64	1766	1621	1626	1465	1455	1503	1522	1488	1397
Milford-Whitinsville	23	752	685	602	519	454	410	437	521	561
Morton	54	916	843	725	683	763	742	729	786	716

NAME OF HOSPITAL	USA SUB AREA	1970	1971	1972	1973	1974	1975	1976	1977	1978
		1369	1236	1066	893	680	693	696	676	838
Mount Auburn	42									
Nantucket Cottage	57	91	80	65	75	69	52	50	47	64
Nashoba Community	21	183	0	0	0	0	0	0	0	0
New England Memorial	64	354	464	466	425	413	520	668	694	747
Newton-Wellesley	43	1220	1162	1114	1021	1039	1036	1158	1200	1346
Noble	13	539	619	522	368	324	0	1	0	1
North Adams	11	640	587	555	522	549	513	441	442	347
Notwood	44	1940	1701	1432	1289	1296	1167	1008	1056	927
Providence	13	1433	1241	1122	1091	1624	1680	1563	1532	1475
Quincy City	45	1815	1658	1382	1278	1285	1157	1099	1072	1001
Salem	62	1358	1149	1013	933	944	962	1023	1017	1061
Saugus General	63	257	251	186	157	94	10	0	0	0
Somerville	42	692	494	101	0	0	0	0	0	1
South Shore	45	1704	1608	1556	1597	1693	1689	1812	1874	1845
St. Anne's	55	1061	1093	1000	873	836	715	610	526	491
St. Elizabeth's	41	1576	1455	1207	1075	1113	1089	984	1026	976
St. John's	31	882	811	612	543	164	0	0	0	0
St. Joseph's	31	1118	1052	936	711	1024	1071	929	804	900
St. Luke's-Middleboro	54	335	380	330	305	280	144	1	2	0
St. Luke's-New Bedford	56	2207	2256	2063	2029	2074	1952	1966	1964	1996
St. Margaret's	41	5244	4641	4029	3589	3257	2982	2808	2654	2836
St. Vincent's	22	1087	955	849	789	797	810	863	1194	1229
Sturdy Memorial	51	1189	1139	1030	950	925	938	940	997	1003
Symmes	42	590	394	309	275	352	297	224	156	0
Tobey	57	362	353	328	299	270	267	255	281	271
Union-Lynn	63	854	606	435	403	262	0	0	0	0
Union Trustees	55	1749	1709	1503	1574	1412	1465	1365	1548	1598

NAME OF HOSPITAL	USA SUB AREA	1970	1971	1972	1973	1974	1975	1976	1977	1978
Waltham	43	1199	1081	893	817	717	687	662	723	845
Westover U.S.A.F.	13	592	491	231	1	0	0	0	0	0
Whidden Memorial	65	750	582	349	311	339	217	33	0	1
Winchester	42	1328	1226	1088	989	980	1087	1423	1663	1559
Worcester City	22	936	790	616	519	431	372	273	0	2
Worcester Bahnewann	22	1663	1772	1747	1791	1687	1692	1528	1475	1484
Worcester Memorial	22	1660	1621	1530	1643	1598	1757	1894	1945	2072
All Other Hospitals		0	0	12	8	12	5	6	6	16
At Home, En Route, Other		217	141	98	79	123	148	230	254	328
TOTAL		96,507	89,478	79,161	74,490	71,900	69,726	67,618	69,539	70,269

HOSPITAL BIRTHS BY HSA 1970-1978

HEALTH SERVICE AREA	1970	1971	1972	1973	1974	1975	1976	1977	1978
I WESTERN MASS	13,947	13,175	11,389	10,563	10,364	10,116	9,567	10,151	10,066
II CENTRAL MASS	10,422	9,778	8,683	8,372	7,890	7,720	7,563	7,812	7,895
III BERKSHIRE	8,316	8,092	7,227	6,735	6,589	6,477	6,008	6,130	6,199
IV METRO - GREATER BOSTON	39,390	35,091	30,802	28,586	27,450	26,600	26,218	26,819	27,296
V SOUTH SHORE	13,191	12,919	11,730	11,364	11,223	10,806	10,482	11,196	11,361
VI NORTH SHORE	11,023	10,282	9,232	8,490	8,261	7,835	7,550	7,431	7,452
TOTAL	96,289	89,331	79,063	74,110	71,777	69,574	67,388	69,539	70,269

Zero births reflected in any year indicates maternity service closed for the named hospital.

10mits births at home, en route, other.

MORTALITY

There were 52,544 Massachusetts resident deaths in 1978, 918 more than in 1977. Heart disease continued as the number one cause of death, accounting for 39.1% of all deaths. Cancer (22.8%), cerebrovascular disease (8.4%), and accidents (4.1%) are the next leading causes of death. Both heart disease and cancer account for a higher percentage of deaths in Massachusetts than in the nation as a whole; however, these figures are not age-adjusted to allow for differences in population composition. The percentage of deaths due to cancer has risen by over 4% in Massachusetts since 1970.

The leading cause of death varies by age. Non-motor vehicle accidents are the leading cause of death for the 1-9 year olds; motor vehicle accidents for the 10-29 year olds; cancer for the 30-64 year olds; and ischemic heart disease for the 65 and older group. Death rates for specific diseases also vary according to sex and race.

Death statistics presented by cause of death in this report are based on death certificates coded for underlying cause of death using the Eighth Revision of the International Classification of Diseases, adapted for use in the United States. (Public Health Service Publication No. 1693, United States Government Printing Office). When using these data for comparisons over time, care should be taken to identify which revision was in use during the time period the data were collected. The Eighth Revision has been used in Massachusetts since 1969. In the tables in this section the numbers following the causes of death reflect the I.C.D.A. code numbers for those causes.

TABLE 14

RESIDENT DEATHS BY AGE, SEX AND COLOR

AGE	A L L R A C E S			W H I T E			N O N - W H I T E			O T H E R & U N K N O W N		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
UNDER 1	753	419	329	651	367	281	99	51	46	3	1	2
1 - 4	142	81	61	129	73	56	13	8	5	0	0	0
5 - 9	105	57	48	94	53	41	11	4	7	0	0	0
10 - 14	131	83	48	121	76	45	9	6	3	1	1	0
15 - 19	437	324	113	415	308	107	21	15	6	1	1	0
20 - 24	521	403	118	495	384	111	26	19	7	0	0	0
25 - 29	489	343	146	446	311	135	42	32	10	1	0	1
30 - 34	446	305	141	405	271	134	40	33	7	1	1	0
35 - 39	483	326	157	446	302	144	37	24	13	0	0	0
40 - 44	716	448	268	665	411	254	50	37	13	1	0	1
45 - 49	1261	760	501	1183	717	466	77	42	35	1	1	0
50 - 54	2081	1308	773	1980	1245	735	98	61	37	3	2	1
55 - 59	3103	1972	1131	2976	1893	1083	126	78	48	1	1	0
60 - 64	4447	2770	1677	4312	2684	1628	134	86	48	1	0	1
65 - 69	5527	3373	2154	5392	3280	2112	130	89	41	5	4	1
70 - 74	6479	3688	2791	6355	3616	2739	119	68	51	5	4	1
75 - 79	7123	3518	3605	6979	3451	3528	141	65	76	3	2	1
80 - 84	7575	3324	4251	7449	3256	4193	125	67	58	1	1	0
85 - 89	6225	2214	4011	6148	2180	3968	77	34	43	0	0	0
90 - 94	3295	990	2305	3242	971	2271	52	19	33	1	1	1
95 - 99	1027	249	778	1004	243	761	23	6	17	0	0	0
OVER 99	168	29	139	158	27	131	10	2	8	0	0	0
UNKNOWN	10	6	4	7	5	2	2	1	1	1	1	1
TOTALS	52544	26990	25549	51052	26124	24925	1462	847	613	30	30	11

TABLE 15

LEADING CAUSES OF DEATH - MASSACHUSETTS AND UNITED STATES 1977-1978

	<u>1978</u>				<u>1977</u>			
	<u>Mass.</u>		<u>U.S.</u>		<u>Mass.</u>		<u>U.S.</u>	
	<u>Number</u>	<u>Percent</u>	<u>Rank</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>	<u>Percent</u>	<u>Rank</u>
HEART DISEASE (390-398, 402, 404, 410-429)	20,540	39.1	1	37.8	1	20,454	39.6	1
CANCER (140-209)	11,985	22.8	2	20.6	2	11,557	22.4	2
CEREBROVASCULAR DISEASE (430-438)	4,436	8.4	3	9.0	3	4,561	8.8	3
INFLUENZA/PNEUMONIA (470-474, 480-486)	2,209	4.2	4	3.0	5	1,890	3.7	5
ACCIDENTS (800-949)	2,168	4.1	5	5.6	4	2,028	3.9	4
DIABETES MELLITUS (250)	945	1.8	6	1.7	6	944	1.8	6
CIRRHOSIS OF THE LIVER (571)	922	1.8	7	1.6	7	933	1.8	7
ARTERIOSCLEROSIS (440)	681	1.3	8	1.5	8	734	1.4	8
SUICIDE (950-959)	516	1.0	9	1.4	9	564	1.1	9
BRONCHITIS, EMPHYSEMA, ASTHMA (490-493)	486	.9	10	1.1	11	488	.9	10
ALL OTHER	<u>7,656</u>	<u>14.6</u>		<u>16.7</u>		<u>7,483</u>	<u>14.6</u>	
TOTAL	52,544	100.0		100.0		100.0		100.0

TABLE 16

LEADING CAUSES OF RESIDENT DEATHS
IN RANK ORDER BY HEALTH SERVICE AREAS

	STATE		HSA I		HSA II		HSA III		HSA IV		HSA V		HSA VI	
	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank
HEART DISEASE (390-398, 402, 404, 410-429)	20,540	1	2,755	1	2,498	1	1,770	1	7,307	1	3,750	1	2,460	1
CANCER (140-209)	11,985	2	1,742	2	1,300	2	964	2	4,387	2	2,107	2	1,485	2
CEREBROVASCULAR DISEASE (430-438)	4,436	3	761	3	495	3	366	3	1,401	3	876	3	537	3
INFLUENZA/ PNEUMONIA (470-474, 480-486)	2,209	4	314	5	247	5	160	5	957	4	289	5	242	4
ACCIDENTS (800-949)	2,168	5	373	4	272	4	166	4	724	5	394	4	239	5
DIABETES MELLITUS (250)	945	6	164	6	99	6	76	8	329	7	176	6	101	7
CIRRHOSIS OF THE LIVER (571)	922	7	125	7	95	7	82	7	346	6	165	7	109	6
ARTERIOSCLEROSIS (440)	681	8	112	8	94	8	102	6	174	10	135	8	64	8
SUICIDE (950-959)	516	9	77	9	67	9	45	9	185	8	91	9	51	10
BRONCHITIS, EMPHYSEMA, ASTHMA (490-493)	486	10	64	10	60	10	45	10	178	9	86	10	53	9
ALL OTHER	7,656		1,607		883		631		3,030		1,182		863	
TOTAL	52,544		7,554		6,110		4,407		19,018		9,251		6,204	

RESIDENT DEATHS BY CAUSE, SEX, AND COLOR (RACE)

1978

*
* TOTALS * WHITE * NON-WHITE * UNKNOWN *

INT. LIST
NUMBER
CAUSE OF DEATH
TOT MALE FEM TOT MALE FEM TOT MALE FEM TOT MALE FEM

I. INFECTIVE AND PARASITIC DISEASES

CONTINUED

140	239	II. NEOPLASMS	12176	6314	5862	11872	6123	5749	303	190	113	1	1	0
140-149		MALIGNANT NEOPLASM OF ORUCAL CAVITY AND PHARYNX	282	188	94	272	182	90	10	6	4	0	0	0
140	1	MALIGNANT NEOPLASM OF LIP	3	1	2	3	1	2	0	0	0	0	0	0
140	9	LOWER LIP	1	0	1	1	0	1	0	0	0	0	0	0
141	9	LIP UNSPECIFIED	2	1	1	2	1	1	0	0	0	0	0	0
141	0	MALIGNANT NEOPLASM OF TONGUE	78	48	30	76	47	29	2	1	1	0	0	0
141	9	BASE OF TONGUE	8	6	2	7	6	1	1	0	1	0	0	0
142	9	PART UNSPECIFIED	70	42	28	69	41	28	1	1	0	0	0	0
142	0	MALIGNANT NEOPLASM OF SALIVARY GLAND	14	7	7	14	7	7	0	0	0	0	0	0
142	0	PAROTID GLAND	9	6	3	9	6	3	0	0	0	0	0	0
143	9	OTHER SPECIFIED SALIVARY GLAND	4	1	3	4	1	3	0	0	0	0	0	0
143	9	UNSPECIFIED SALIVARY GLAND	1	0	1	1	0	1	0	0	0	0	0	0
143	9	MALIGNANT NEOPLASM OF GUM	1	1	0	1	1	0	0	0	0	0	0	0
144	9	GUM UNSPECIFIED	1	1	0	1	1	0	0	0	0	0	0	0
144	9	MALIGNANT NEOPLASM OF FLOOR OF MOUTH	14	7	7	12	6	6	2	1	1	0	0	0
145	0	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED PARTS OF MOUTH	50	32	18	50	32	18	0	0	0	0	0	0
145	0	RUCCAL MUCOSA	2	1	1	2	1	1	0	0	0	0	0	0
145	1	PALATE (HARD) (SOFT)	15	10	5	15	10	5	0	0	0	0	0	0
145	9	OTHER SPECIFIED PARTS	2	1	1	2	1	1	0	0	0	0	0	0
146	9	PART UNSPECIFIED	31	20	11	31	20	11	0	0	0	0	0	0
146	0	MALIGNANT NEOPLASM OF OROPHARYNX	31	23	8	29	21	8	2	2	0	0	0	0
146	0	TONSILS	21	16	5	20	15	5	1	1	0	0	0	0
146	9	OTHER SPECIFIED PARTS	1	1	0	0	0	0	1	1	0	0	0	0
147	9	PART UNSPECIFIED	9	6	3	9	6	3	0	0	0	0	0	0
147	9	MALIGNANT NEOPLASM OF NASOPHARYNX	11	6	5	11	6	5	0	0	0	0	0	0
148	1	MALIGNANT NEOPLASM OF HYPOPHARYNX	23	18	5	22	18	4	1	0	1	0	0	0
148	9	PYRIFORM FOSSA	10	9	1	9	9	0	1	0	1	0	0	0
149	9	PART UNSPECIFIED	13	9	4	13	9	4	0	0	0	0	0	0
149	9	MALIG NEOPLASM OF PHARYNX, UNSPECIFIED	57	45	12	54	43	11	3	2	1	0	0	0
150-159		MALIGNANT NEOPLASM OF DIGESTIVE ORGANS AND PERITONEUM	3404	1727	1677	3318	1674	1644	86	53	33	0	0	0
150	150	MALIGNANT NEOPLASM OF ESOPHAGUS	233	168	65	218	155	63	15	13	2	0	0	0
151	151	MALIGNANT NEOPLASM OF STOMACH	476	282	194	459	270	189	17	12	5	0	0	0

RESIDENT DEATHS BY CAUSE, SEX, AND COLOR (RACE)

1978

INT. LIST NUMBER	CAUSE OF DEATH	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	F
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RESIDENT DEATHS BY CAUSE, SEX, AND COLOR (RACE)

1978

***** * TOTALS * WHITE * ANON * WHITE * UNKNOWN * *****													
INT. LIST NUMBER	CAUSE OF DEATH	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
II. NEOPLASMS CONTINUED													
8	LOWER LIMB	6	3	3	6	3	3	0	0	0	0	0	0
9	SITE UNSPECIFIED	104	60	44	104	60	44	0	0	0	0	0	0
173	OTHER MALIGNANT NEOPLASM OF SKIN	44	26	18	44	26	18	0	0	0	0	0	0
0	LIPS	2	2	0	2	2	0	0	0	0	0	0	0
2	EAR AND EXTERNAL AURICULAR CANAL	2	2	0	2	2	0	0	0	0	0	0	0
3	OTHER AND UNSPECIFIED PARTS OF FACE	12	6	6	12	6	6	0	0	0	0	0	0
4	SCALP AND NECK	6	5	1	6	5	1	0	0	0	0	0	0
6	THROAT, EXCEPT SCRUTUM	10	4	6	10	4	6	0	0	0	0	0	0
7	UPPER LIMB	1	1	0	1	1	0	0	0	0	0	0	0
8	LOWER LIMB	3	2	1	3	2	1	0	0	0	0	0	0
9	SITE UNSPECIFIED	8	4	4	8	4	4	0	0	0	0	0	0
174	MALIGNANT NEOPLASM OF BREAST	1132	6	1126	1114	6	1108	18	0	18	0	0	0
180-189 MALIGNANT NEOPLASM OF GENITOURINARY ORGANS													
180	MALIGNANT NEOPLASM OF CERVIX UTERI	1805	969	836	1774	949	825	30	19	11	1	0	0
182	OTHER MALIGNANT NEOPLASM OF UTERUS	107	0	107	105	0	105	2	0	2	0	0	0
0	CORPUS UTERI	169	0	169	167	0	167	2	0	2	0	0	0
9	UTERUS, UNSPECIFIED	75	0	75	74	0	74	1	0	1	0	0	0
183	MALIGNANT NEOPLASM OF OVARY, FALLOPIAN TUBE AND BROAD LIGAMENT	94	0	94	93	0	93	1	0	1	0	0	0
0	OVARY	330	0	330	327	0	327	3	0	3	0	0	0
1	FALLOPIAN TUBE AND BROAD LIGAMENT	322	0	322	319	0	319	3	0	3	0	0	0
184	MALIGNANT NEOPLASM OF OTHER AND UNSPEC. FEMALE GENITAL ORGANS	8	0	8	8	0	8	0	0	0	0	0	0
0	VAGINA	33	0	33	32	0	32	1	0	1	0	0	0
1	VULVA	8	0	8	7	0	7	1	0	1	0	0	0
9	SITE UNSPECIFIED	24	0	24	24	0	24	0	0	0	0	0	0
185	MALIGNANT NEOPLASM OF PROSTATE	1	0	1	1	0	1	0	0	0	0	0	0
186	MALIGNANT NEOPLASM OF TESTIS	608	608	0	595	595	0	12	12	0	1	0	0
187	MALIGNANT NEOPLASM OF OTHER AND UNSPEC. MALE GENITAL ORGANS	17	17	0	17	17	0	0	0	0	0	0	0
0	PENIS	5	5	0	5	5	0	0	0	0	0	0	0
188	MALIGNANT NEOPLASM OF BLADDER	5	5	0	5	5	0	0	0	0	0	0	0
189	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED URINARY ORGANS	312	198	114	307	196	111	5	2	3	0	0	0
0	KIDNEY, EXCEPT PELVIS	224	141	83	219	136	83	5	5	0	0	0	0
1	PELVIS OF KIDNEY	206	131	75	201	126	75	5	5	0	0	0	0
2	URETER	2	0	2	2	0	2	0	0	0	0	0	0
9	OTHER AND UNSPECIFIED	7	5	2	7	5	2	0	0	0	0	0	0
190-199 MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES													
1254		617	637	1219	595	624	35	22	13	0	0	0	0

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INT. LIST NUMBER	CAUSE OF DEATH	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
II. NEOPLASMS													
CONTINUED													
190	MALIGNANT NEOPLASM OF EYE	6	5	1	6	5	1	0	0	0	0	0	0
191	MALIGNANT NEOPLASM OF BRAIN	170	89	81	169	89	80	1	0	1	0	0	0
192	MALIGNANT NEOPLASM OF OTHER PARTS OF NERVOUS SYSTEM	77	52	25	76	51	25	1	1	0	0	0	0
1	CEREBRAL MENINGES	1	1	0	1	1	0	0	0	0	0	0	0
4	PERIPHERAL NERVES	3	1	2	3	1	2	0	0	0	0	0	0
5	SYPHATIC NERVOUS SYSTEM	6	6	0	6	6	0	0	0	0	0	0	0
9	SITE UNSPECIFIED	67	44	23	66	43	23	1	1	0	0	0	0
193	MALIGNANT NEOPLASM OF THYROID GLAND	33	9	24	33	9	24	0	0	0	0	0	0
194	MALIGNANT NEOPLASM OF OTHER ENDOCRINE GLANDS	14	5	9	14	5	9	0	0	0	0	0	0
0	SUPRARENAL GLAND	7	2	5	7	2	5	0	0	0	0	0	0
2	THYMUS	2	1	1	2	1	1	0	0	0	0	0	0
3	PITUIT GLAND AND CRANIOPHARYNG DUCT	1	0	1	1	0	1	0	0	0	0	0	0
4	PINEAL GLAND	3	1	2	3	1	2	0	0	0	0	0	0
9	UNSPECIFIED ENDOCRINE GLAND	1	1	0	1	1	0	0	0	0	0	0	0
195	MALIGNANT NEOPLASM OF ILL-DEFINED SITES	98	43	55	97	43	54	1	0	1	0	0	0
0	ADRENEN, INTRA-ADRENAL CANCER	53	15	38	52	15	37	1	0	1	0	0	0
1	PELVIS, PELVIC VISCERA, RECTOVAGIN SEPT	11	2	9	11	2	9	0	0	0	0	0	0
9	OTHER	34	26	8	34	26	8	0	0	0	0	0	0
196	SECONDARY AND UNSPECIFIED MALIGNANT NEOPLASM OF LYMPH NODES	2	1	1	2	1	1	0	0	0	0	0	0
9	SITE UNSPECIFIED	2	1	1	2	1	1	0	0	0	0	0	0
197	SECONDARY MALIGNANT NEOPLASM OF RESPIR.	162	77	85	155	72	83	7	5	2	0	0	0
0	LUNG, SPECIFIED AS SECONDARY	29	14	15	27	12	15	2	2	0	0	0	0
2	PLEURA, SPECIFIED AS SECONDARY	3	2	1	3	2	1	0	0	0	0	0	0
5	LARGE INTST AND RECT STATED SECONDARY	1	0	1	1	0	1	0	0	0	0	0	0
6	PERITONEUM, SPECIFIED AS SECONDARY	1	1	0	1	1	0	0	0	0	0	0	0
7	LIVER, SPECIFIED AS SECONDARY	59	28	31	56	27	29	3	1	2	0	0	0
8	LIVER, UNSPECIFIED	64	29	35	63	28	35	1	1	0	0	0	0
9	OTHER DIGESTIVE ORGANS STATED SECONDARY	5	3	2	4	2	2	1	1	0	0	0	0
198	OTHER SECONDARY MALIGNANT NEOPLASM	51	30	21	49	28	21	2	2	0	0	0	0
0	HALLDER SPECIFIED AS SECONDARY	1	1	0	1	1	0	0	0	0	0	0	0
3	BRAHN, SPECIFIED AS SECONDARY	16	10	6	15	9	6	1	1	0	0	0	0
4	OTHER NERVOUS SYSTEM STATED SECONDARY	2	0	2	2	0	2	0	0	0	0	0	0
5	KIDNEY, SPECIFIED AS SECONDARY	15	8	7	15	8	7	0	0	0	0	0	0
9	OTHER SITES, SPECIFIED AS SECONDARY	17	11	6	16	10	6	1	1	0	0	0	0
199	MALIGNANT NEOPLASM WITHOUT SPECIFICATION OF SITE	641	306	335	618	292	326	23	14	9	0	0	0
0	MULTIPLE	511	238	273	494	228	266	17	10	7	0	0	0

RESIDENT DEATHS BY CAUSE, SEX, AND COLOR (RACE)

197A

INT. LIST NUMBER	CAUSE OF DEATH	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM

* TOTALS * WHITE ANON - WHITE * UNKNOWN *																

II. NEOPLASMS																
CONTINUED																
218	UTERINE FIBROMA	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0
225	RENIGN NEOPLASM (IF BRAIN AND OTHER PARTS OF NERVOUS SYSTEM	20	7	13	16	6	12	2	1	1	0	0	0	0	0	0
0	BRAIN	4	3	1	3	2	1	1	1	0	0	0	0	0	0	0
1	CRANIAL NERVES (INCLUDING OPTIC)	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0
2	CEREBRAL MENINGES	10	2	8	10	2	8	0	0	0	0	0	0	0	0	0
9	UNSPECIFIED SITE	5	1	4	4	1	3	1	0	1	0	0	0	0	0	0
226	BENIGN NEOPLASM OF ENDOCRINE GLANDS	5	0	5	5	0	5	0	0	0	0	0	0	0	0	0
0	SUPRARENAL GLAND	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
2	PITUIT GLAND AND CRANIOPHARYNG DUCT	4	0	4	4	0	4	0	0	0	0	0	0	0	0	0
227	HEMANGIOMA AND LYMPHANGIOMA	2	2	0	1	1	0	1	1	0	0	0	0	0	0	0
2	LYMPHANGIOMA	2	2	0	1	1	0	1	1	0	0	0	0	0	0	0
228	RENIGN NEOPLASM OF OTHER ORGANS	9	6	3	6	6	2	1	0	1	0	0	0	0	0	0
230-239	NEOPLASM OF UNSPECIFIED NATURE	144	65	79	139	60	79	5	5	0	0	0	0	0	0	0
230	NEOPLASM OF UNSPECIFIED NATURE OF DIGESTIVE ORGANS	8	2	6	6	2	6	0	0	0	0	0	0	0	0	0
3	LARGE INTESTINE, EXCLUDING RECTUM	3	0	3	3	0	3	0	0	0	0	0	0	0	0	0
5	LIVER AND BILIARY PASSAGES	4	2	2	4	2	2	0	0	0	0	0	0	0	0	0
7	PERITONEUM	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
231	NEOPLASM OF UNSPECIFIED NATURE OF RESPIRATORY ORGANS	21	13	8	20	12	8	1	1	0	0	0	0	0	0	0
0	NOSE, MIDDLE EAR, AND SINUSES	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0
1	LARYNX	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0
2	TRACHEA	2	1	1	2	1	1	0	0	0	0	0	0	0	0	0
3	BRONCHUS AND LUNG	14	8	6	13	7	6	1	1	0	0	0	0	0	0	0
5	MEDIASTINUM	3	2	1	3	2	1	0	0	0	0	0	0	0	0	0
232	NEOPLASM OF UNSPECIFIED NATURE OF SKIN A ND MUSCULOSKELETAL SYSTEM	3	1	2	2	0	2	1	1	0	0	0	0	0	0	0
0	BONE AND CARTILAGE	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
1	MUSCULAR AND CONNECTIVE TISSUE	2	1	1	1	0	1	1	1	0	0	0	0	0	0	0
234	NEOPLASM OF UNSPECIFIED NATURE OF UTERUS	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
1	CERVIX UTERI, OTHER	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
235	UNSPECIFIED NEOPLASM OF OVARY	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
236	NEOPLASM OF UNSPECIFIED NATURE OF OTHER FEMALE GENITAL ORGANS	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
9	UNSPECIFIED SITE	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
237	NEOPLASM OF UNSPECIFIED NATURE OF OTHER GENITOURINARY ORGANS	3	1	2	3	1	2	0	0	0	0	0	0	0	0	0
6	BLADDER	3	1	2	3	1	2	0	0	0	0	0	0	0	0	0
238	NEOPLASM OF UNSPEC. NATURE OF EYE, BRAIN A OTHER PARTS OF NERVOUS SYSTEM	96	45	51	93	42	51	3	3	0	0	0	0	0	0	0

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INT. LIST NUMBER	CAUSE OF DEATH	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
III. ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES													
CONTINUED													
267	PROTEIN MALNUTRITION	1	0	1	1	0	1	0	0	0	0	0	0
268	NUTRITIONAL MARASMOUS	11	5	6	11	5	6	0	0	0	0	0	0
269	OTHER NUTRITIONAL DEFICIENCY	36	10	26	35	10	25	1	0	1	0	0	0
1	MALABSORPTION SYNDROME, UNSPECIFIED	2	0	2	2	0	2	0	0	0	0	0	0
9	OTHER AND UNSPECIFIED	34	10	24	33	10	23	1	0	1	0	0	0
270-279	OTHER METABOLIC DISEASES	75	47	28	73	46	27	2	1	1	0	0	0
270	CONGENITAL DISORDERS OF AMINO-ACID METABOLISM	1	0	1	1	0	1	0	0	0	0	0	0
8	OTHER	1	0	1	1	0	1	0	0	0	0	0	0
271	CONGENITAL DISORDERS OF CARBOHYDRATE METABOLISM	1	1	0	1	1	0	0	0	0	0	0	0
8	OTHER	1	1	0	1	1	0	0	0	0	0	0	0
272	CONGENITAL DISORDERS OF LIPID METABOLISM	5	2	3	5	2	3	0	0	0	0	0	0
0	XANTHOMATOSIS	2	1	1	2	1	1	0	0	0	0	0	0
2	LIPID STORAGE DISORDERS	3	1	2	3	1	2	0	0	0	0	0	0
273	OTHER AND UNSPECIFIED CONGENITAL DISORDERS OF METABOLISM	23	19	5	22	17	5	1	1	0	0	0	0
0	CYSTIC FIBROSIS	15	12	3	15	12	3	0	0	0	0	0	0
2	HEMOCHROMATOSIS	4	3	1	4	3	1	0	0	0	0	0	0
8	OTHER	4	3	1	3	2	1	1	1	0	0	0	0
274	GOUT	1	3	0	3	3	0	0	0	0	0	0	0
275	PLASMA PROTEIN ABNORMALITIES	12	6	6	11	6	5	1	0	1	0	0	0
0	AGAMGLOBULINEMIA	1	1	0	1	0	0	0	0	0	0	0	0
1	HYPOGAMGLOBULINEMIA	2	0	2	2	0	2	0	0	0	0	0	0
4	CRYOGLOBULINEMIA	2	0	2	1	0	1	1	0	1	0	0	0
5	MACROGLOBULINEMIA	3	3	0	3	3	0	0	0	0	0	0	0
9	OTHER AND UNSPECIFIED	4	2	2	4	2	2	0	0	0	0	0	0
276	AMYLOIDOSIS	8	4	4	8	4	4	0	0	0	0	0	0
277	OBSIDITY NOT OF ENDOCRINE ORIGIN	13	8	5	13	8	5	0	0	0	0	0	0
279	OTHER METABOLIC DISEASES	9	5	4	9	5	4	0	0	0	0	0	0

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INT. LIST NUMBER	CAUSE OF DEATH	***** * TOTALS * WHITE * ANON - WHITE * UNKNOWN * *****											
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
290-315	V. MENTAL DISORDERS	220	113	107	207	104	103	13	9	4	0	0	0
290-299	PSYCHOSES	95	36	59	93	35	58	2	1	1	0	0	0
290	SENILE AND PRESENILE DEMENTIA	66	21	45	66	21	45	0	0	0	0	0	0
0	SENILE DEMENTIA	24	6	18	24	6	18	0	0	0	0	0	0
291	PRESENILE DEMENTIA	42	15	27	42	15	27	0	0	0	0	0	0
1	ALCOHOLIC PSYCHOSIS	4	3	1	3	2	1	1	1	0	0	0	0
0	DELIRIUM TREMENS	3	3	0	2	2	0	1	1	0	0	0	0
1	KORSAKOV'S PSYCHOSIS (ALCOHOLIC)	1	0	1	1	0	1	0	0	0	0	0	0
293	PSYCHOSIS ASSOCIATED WITH OTHER CEREBRAL	1	1	0	1	1	0	0	0	0	0	0	0
0	CEREBRAL ARTERIOSCLEROSIS	1	1	0	1	1	0	0	0	0	0	0	0
294	PSYCHOSIS ASSOCIATED WITH OTHER PHYSICAL	1	0	1	1	0	1	0	0	0	0	0	0
9	CONDITIONS	1	0	1	1	0	1	0	0	0	0	0	0
295	UNSPECIFIED PHYSICAL CONDITION	1	0	1	1	0	1	0	0	0	0	0	0
9	SCHIZOPHRENIA	4	2	2	4	2	2	0	0	0	0	0	0
296	UNSPECIFIED TYPE	4	2	2	4	2	2	0	0	0	0	0	0
9	AFFECTIVE PSYCHOSES	1	1	0	1	1	0	0	0	0	0	0	0
2	MANIC DEPRESSIVE PSYCH, DEPRESSED TYPE	1	1	0	1	1	0	0	0	0	0	0	0
299	UNSPECIFIED PSYCHOSIS	18	8	10	17	8	9	1	0	1	0	0	0
300-309	NEUROSES, PERSONALITY DISORDERS, AND												
OTHER NONPSYCHOTIC DISORDERS													
303	ALCOHOLISM	122	76	46	111	68	43	11	8	3	0	0	0
2	ALCOHOLIC ADDICTION	76	56	20	68	49	19	8	7	1	0	0	0
9	OTHER AND UNSPECIFIED ALCOHOLISM	35	22	13	32	19	13	3	3	0	0	0	0
304	DRUG DEPENDENCE	41	34	7	36	30	6	5	4	1	0	0	0
0	OPIMUM AND DERIVATIVES	4	2	2	3	2	1	1	0	1	0	0	0
9	UNSPECIFIED	1	1	0	1	1	0	0	0	0	0	0	0
305	PHYSICAL DISORDERS OF PRESUMABLY	3	1	2	2	1	1	1	0	1	0	0	0
PSYCHOGENIC ORIGIN													
3	CARDIOVASCULAR	1	1	0	1	1	0	0	0	0	0	0	0
306	SPECIAL SYMPTOMS NOT ELSEWHERE	1	1	0	1	1	0	0	0	0	0	0	0
CLASSIFIED													
5	FEEDING DISTURBANCES	2	1	1	2	1	1	0	0	0	0	0	0
309	MENTAL DISORDERS NOT SPEC. AS PSYCHOTIC	2	1	1	2	1	1	0	0	0	0	0	0
ASSOC. WITH PHYSICAL CONDITIONS													
9	OTHER OR UNSPECIFIED PHYSICAL CONDITION	39	16	23	37	15	22	2	1	1	0	0	0
310-315	MENTAL RETARDATION	39	16	23	37	15	22	2	1	1	0	0	0
313	SEVERE MENTAL RETARDATION	3	1	2	3	1	2	0	0	0	0	0	0
		1	0	1	1	0	1	0	0	0	0	0	0

RESIDENT DEATHS BY CAUSE, SEX, AND COLOR (RACE)

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INT. LIST NUMBER		***** A *****																		***** A *****																	
CAUSE OF DEATH		TOTALS																		WHITE AND NON-WHITE																	
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM																		
V. MENTAL DISORDERS																																					
CONTINUED																																					
9	OTHER AND UNSPECIFIED	1	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0																		
315	UNSPECIFIED MENTAL RETARDATION	2	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0																		
9	OTHER AND UNSPECIFIED	2	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0																		
320 319	VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	508	260	248	493	251	242	15	9	6	0	0	0	0	0	0	0	0	0																		
320-324	INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM	33	18	15	32	18	14	1	0	1	0	0	0	0	0	0	0	0	0																		
320	MENINGITIS	27	14	13	26	14	12	1	0	1	0	0	0	0	0	0	0	0	0																		
0	H. INFLUENZAE	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0																		
1	PNEUMOCOCCUS	6	3	3	6	3	3	0	0	0	0	0	0	0	0	0	0	0	0																		
9	DUE TO OTHER SPECIFIED ORGANISM	5	1	4	5	1	4	0	0	0	0	0	0	0	0	0	0	0	0																		
322	WITH NO ORGANISM SPECIFIED AS CAUSE	15	10	5	14	10	4	1	0	1	0	0	0	0	0	0	0	0	0																		
322	INTRACRANIAL AND INTRASPINAL ABSCESS	2	2	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0																		
323	ENCEPHALITIS, MYELITIS	2	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0																		
324	LATE EFFECTS OF INTRACRANIAL ABSCESS	2	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0																		
330-333	HEREDITARY AND FAMILIAL DISEASES OF NERVOUS SYSTEM	40	20	12	40	20	12	0	0	0	0	0	0	0	0	0	0	0	0																		
330	HEREDITARY NEUROMUSCULAR DISORDERS	21	16	5	21	16	5	0	0	0	0	0	0	0	0	0	0	0	0																		
1	FAMILIAL PROGR SPINAL MUSCULAR ATROPHY	5	3	2	5	3	2	0	0	0	0	0	0	0	0	0	0	0	0																		
3	PROGRESSIVE MUSCULAR DYSTROPHY	3	2	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0																		
4	MYOTONIA ATROPHICA	13	11	2	13	11	2	0	0	0	0	0	0	0	0	0	0	0	0																		
331	HEREDITARY DISEASES OF THE STRIATOPALLIDAL SYSTEM	8	4	4	8	4	4	0	0	0	0	0	0	0	0	0	0	0	0																		
0	HEREDITARY CHOREA	6	4	4	6	4	4	0	0	0	0	0	0	0	0	0	0	0	0																		
333	OTHER HEREDITARY AND FAMILIAL DISEASES OF NERVOUS SYSTEM	11	8	3	11	8	3	0	0	0	0	0	0	0	0	0	0	0	0																		
0	AMARUTIC FAMILY IDIOCY	2	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0																		
1	PROGRESSIVE CEREBRAL LEUKODYSTROPHY	2	2	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0																		
9	OTHER AND UNSPECIFIED	7	5	2	7	5	2	0	0	0	0	0	0	0	0	0	0	0	0																		
340-349	OTHER DISEASES OF THE CENTRAL NERVOUS SYSTEM	424	205	219	410	196	214	14	9	5	0	0	0	0	0	0	0	0	0																		
340	MULTIPLE SCLEROSIS	46	17	29	45	16	29	1	1	0	0	0	0	0	0	0	0	0	0																		
341	OTHER DEMYELINATING DIS OF C.N.S.	14	8	6	14	8	6	0	0	0	0	0	0	0	0	0	0	0	0																		
342	PARALYSIS AGITANS	115	53	62	115	53	62	0	0	0	0	0	0	0	0	0	0	0	0																		

RESIDENT DEATHS BY CAUSE, SEX, AND COLOR (RACE)

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[illegible]

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1970

RESIDENT DEATHS BY CAUSE, SEX, AND COLOR (RACE)

1970

INT. LIST NUMBER	CAUSE OF DEATH	***** # TOTAL # WHITE * NON - WHITE * UNKNOWN *											
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
VII. DISEASES OF THE CIRCULATORY SYSTEM													
CONTINUED													
1	REPEAT MYOCAR INFARCT BEFORE DISCHARGE	1	1	0	1	1	0	0	0	0	0	0	0
9	WITHOUT MENTION OF HYPERTENSIVE DISEASE	8426	4990	3436	8298	4914	3384	121	72	49	7	4	3
411	OTHER ACUTE AND SUBACUTE FORMS OF												
	ISCHEMIC HEART DISEASE	36	20	16	36	20	16	0	0	0	0	0	0
0	WITH HYPERTENSIVE DISEASE	2	1	1	2	1	1	0	0	0	0	0	0
9	WITHOUT MENTION OF HYPERTENSIVE DISEASE	34	19	15	34	19	15	0	0	0	0	0	0
412	CHRONIC ISCHEMIC HEART DISEASE	9485	4417	5068	9292	4308	4984	189	106	83	4	3	1
1	WITH HYPERTENSIVE DISEASE	551	216	335	534	211	323	17	5	12	0	0	0
2	C.V. DIS, HYPERT, NO MENTION OF ISCH	205	83	122	198	81	117	7	2	5	0	0	0
3	WITHOUT HYPERTENSION	8154	3852	4302	8004	3762	4242	146	87	59	4	3	1
4	C.V. DIS, NO HYPERT, NO MENTION OF ISCH	575	266	309	556	254	302	19	12	7	0	0	0
413	ANGINA PECTORIS	6	3	3	6	3	3	0	0	0	0	0	0
0	WITH HYPERTENSIVE DISEASE	1	1	0	1	1	0	0	0	0	0	0	0
9	WITHOUT MENTION OF HYPERTENSIVE DISEASE	5	2	3	5	2	3	0	0	0	0	0	0
420-429	OTHER FORMS OF HEART DISEASE	1510	749	761	1462	727	735	47	22	25	1	0	1
420	ACUTE PERICARDITIS, NONRHEUMATIC	2	1	1	2	1	1	0	0	0	0	0	0
421	ACUTE AND SUBACUTE ENDOCARDITIS	26	15	11	25	15	10	1	0	1	0	0	0
0	ACUTE AND SUBACUTE BACT ENDOCARDITIS	26	15	11	25	15	10	1	0	1	0	0	0
422	ACUTE MYOCARDITIS	6	4	2	6	4	2	0	0	0	0	0	0
423	CHR DIS OF PERICARDIUM, NONRHEUM	18	7	11	16	7	9	2	0	2	0	0	0
424	CHRONIC DISEASE OF ENDOCARDIUM	30	16	14	29	16	13	1	0	1	0	0	0
1	OF AORTIC VALVE, NONRHEUMATIC	2	2	0	2	2	0	0	0	0	0	0	0
9	OF OTHER ENDOCARDIAL STRUCTURES	28	14	14	27	14	13	1	0	1	0	0	0
425	CARDIOMYOPATHY	117	90	27	113	87	26	4	3	1	0	0	0
426	PULMONARY HEART DISEASE	29	7	22	29	7	22	0	0	0	0	0	0
427	SYMPTOMATIC HEART DISEASE	1187	556	631	1149	537	612	37	19	18	1	0	1
0	CONGESTIVE HEART FAILURE	423	185	238	416	145	271	6	0	6	1	0	1
1	LEFT VENTRICULAR FAILURE	7	2	5	7	2	5	0	0	0	0	0	0
2	CARDIAC ARREST NOS	592	317	275	569	303	266	23	14	9	0	0	0
3	OTHER HEART BLOCK	20	10	10	18	9	9	2	1	1	0	0	0
4	ATRIAL FIBRILLATION OR FLUTTER	35	14	21	35	14	21	0	0	0	0	0	0
5	PAROXYSMAL TACHYCARDIA (ATRIAL)	1	1	0	1	1	0	0	0	0	0	0	0
6	VENTRICULAR FIBRILLATION OR FLUTTER	27	19	8	25	18	7	2	1	1	0	0	0
9	OTHER DISORDERS OF HEART RHYTHM	82	48	34	78	45	33	4	3	1	0	0	0
428	OTHER MYOCARDIAL INSUFFICIENCY	33	21	12	32	21	11	1	0	1	0	0	0
429	ILL-DEFINED HEART DISEASE	62	32	30	61	32	29	1	0	1	0	0	0
0	CARDIAC ENLARGEMENT AND HYPERTROPHY	3	1	2	3	1	2	0	0	0	0	0	0
9	OTHER AND UNSPECIFIED HEART DISEASE	59	31	28	58	31	27	1	0	1	0	0	0
430-438	CEREBROVASCULAR DISEASE	4436	1736	2700	4323	1678	2645	113	58	55	0	0	0

RESIDENT DEATHS BY CAUSE, SEX, AND COLOR (RACE)

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TOTALS # WHITE # NON-WHITE # UNKNOWN #

INT. LIST
NUMBER

CAUSE OF DEATH

TOT MALE FEM TOT MALE FEM TOT MALE FEM TOT MALE FEM

VIII. DISEASES OF THE RESPIRATORY SYSTEM

CONTINUED

OTHER DISEASES OF UPPER RESPIRATORY

508	OTHER DISEASES OF UPPER RESPIRATORY	18	11	7	18	11	7	0	0	0	0	0	0	0
1	TRACHEITIS	1	0	1	1	0	1	0	0	0	0	0	0	0
2	POLYP OF VOCAL CORDS OR LARYNX	1	1	0	1	1	0	0	0	0	0	0	0	0
3	EDEMA OF LARYNX	0	6	2	6	6	2	0	0	0	0	0	0	0
9	OTHER DIS OF VOC CORDS OR LARYNX, NEC	8	4	4	8	4	4	0	0	0	0	0	0	0
	OTHER DISEASES OF UPPER RESP TRACT													

510-519 OTHER DISEASES OF RESPIRATORY SYSTEM

510	EMPHYSEMA	1042	699	343	1013	682	331	28	16	12	1	1	0	0
511	PLEURISY	8	7	1	7	6	1	1	1	0	0	0	0	0
	OTHER FORMS OF EFFUSION, EXCEPT TUB	7	5	2	6	5	1	1	0	1	0	0	0	0
512	SPONTANEOUS PNEUMOTHORAX	7	5	2	6	5	1	1	0	1	0	0	0	0
513	ASCCESS OF LUNG	16	10	6	14	8	6	2	2	0	0	0	0	0
514	PULMONARY CONGESTION AND HYPOSTASIS	71	43	28	62	37	25	9	6	3	0	0	0	0
515	PNEUMONIC CONGESTION DUE TO SILICA AND													

SILICATES

0	SILICOSIS	9	9	0	9	9	0	0	0	0	0	0	0	0
1	ANTHRACOSIS	2	2	0	2	2	0	0	0	0	0	0	0	0
2	ASBESTOSIS	1	1	0	1	1	0	0	0	0	0	0	0	0
9	OTHER, INCLUDING PNEUMOCONIOSIS, NOS	3	3	0	3	3	0	0	0	0	0	0	0	0
516	OTHER PNEUMOCONIOSES AND RELATED	3	3	0	3	3	0	0	0	0	0	0	0	0

DISEASES

2	OTHER CHRONIC INTERSTITIAL PNEUMONIA	1	1	0	1	1	0	0	0	0	0	0	0	0
517	BRONCHIECTASIS	58	27	31	57	27	30	1	0	1	0	0	0	0
518	OTHER DISEASES OF RESPIRATORY SYSTEM	10	4	6	10	4	6	0	0	0	0	0	0	0
519	PULMONARY COLLAPSE	855	589	266	840	581	259	14	7	7	1	1	0	0
0	ACUTE EDEMA OF LUNG	8	2	6	7	2	5	1	0	1	0	0	0	0
1	OTHER DISEASES OF LUNG	22	11	11	20	10	10	2	1	1	0	0	0	0
2	CHRONIC OBSTRUCTIVE LUNG DISEASES	69	47	22	66	44	22	2	2	0	1	1	0	0
3	OTHER	729	518	211	722	515	207	7	3	4	0	0	0	0
9	OTHER	27	11	16	25	10	15	2	1	1	0	0	0	0

RESIDENT DEATHS BY CAUSE, SEX, AND COLOR (RACE)

1978

INT. LIST NUMBER	CAUSE OF DEATH	***** 1978 *****										***** R *****										***** A *****															
		TOTAL	♂	♀	WHITE	NON-WHITE	UNKN	OWN	N	★	TOTAL	♂	♀	WHITE	NON-WHITE	UNKN	OWN	N	★	TOTAL	♂	♀	WHITE	NON-WHITE	UNKN	OWN	N	★	TOTAL	♂	♀	WHITE	NON-WHITE	UNKN	OWN	N	★
520 577 IX, DISEASES OF THE DIGESTIVE SYSTEM		2035	1119	916	1955	1070	885	78	47	31	2	2	0																								
520-529 DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS		3	2	1	3	2	1	0	0	0	0	0	0																								
522 DISEASES OF PULP AND PERIAPICAL TISSUES		1	1	0	1	1	0	0	0	0	0	0	0																								
527 ACUTE APICAL PERIODONTITIS		1	1	0	1	1	0	0	0	0	0	0	0																								
527 DISEASES OF THE SALIVARY GLANDS		1	0	1	1	0	1	0	0	0	0	0	0																								
527 SIALOADENITIS		1	0	1	1	0	1	0	0	0	0	0	0																								
528 DISEASES OF THE ORAL SOFT TISSUES EXCLUDING GINGIVA AND TONGUE		1	1	0	1	1	0	0	0	0	0	0	0																								
0 STOMATITIS		1	1	0	1	1	0	0	0	0	0	0	0																								
530-537 DISEASES OF ESOPHAGUS, STOMACH, AND DUODENUM		228	129	99	223	127	96	5	2	3	0	0	0																								
530 DISEASES OF ESOPHAGUS		28	20	8	28	20	8	0	0	0	0	0	0																								
0 FUNCTIONAL DISORDERS OF ESOPHAGUS		3	2	1	3	2	1	0	0	0	0	0	0																								
1 INFLAMMATORY DISEASES OF ESOPHAGUS		5	3	2	5	3	2	0	0	0	0	0	0																								
2 DIVERTICULUM, ACQUIRED, OF ESOPHAGUS		4	4	0	4	4	0	0	0	0	0	0	0																								
3 OBSTRUCTION OF ESOPHAGUS		2	0	2	2	0	2	0	0	0	0	0	0																								
4 RUPTURE OF ESOPHAGUS		4	3	1	4	3	1	0	0	0	0	0	0																								
9 OTHER		10	8	2	10	8	2	0	0	0	0	0	0																								
531 ULCER OF STOMACH		66	38	28	65	38	27	1	0	1	0	0	0																								
0 WITH HEMORRHAGE ONLY		35	21	14	34	21	13	1	0	1	0	0	0																								
1 WITH PERFORATION ONLY		16	7	9	16	7	9	0	0	0	0	0	0																								
2 WITH HEMORRHAGE AND PERFORATION		5	4	1	5	4	1	0	0	0	0	0	0																								
9 OTHER AND UNSPECIFIED		10	6	4	10	6	4	0	0	0	0	0	0																								
532 ULCER OF DUODENUM		60	38	22	57	36	21	3	2	1	0	0	0																								
0 WITH HEMORRHAGE ONLY		30	21	9	26	19	9	2	2	0	0	0	0																								
1 WITH PERFORATION ONLY		24	15	9	23	15	8	1	0	1	0	0	0																								
2 WITH HEMORRHAGE AND PERFORATION		1	0	1	1	0	1	0	0	0	0	0	0																								
9 OTHER AND UNSPECIFIED		5	2	3	5	2	3	0	0	0	0	0	0																								
533 PEPTIC ULCER SITE UNSPECIFIED		34	16	18	34	16	18	0	0	0	0	0	0																								
0 WITH PERFORATION		6	2	4	6	2	4	0	0	0	0	0	0																								
9 WITHOUT MENTION OF PERFORATION		28	14	14	28	14	14	0	0	0	0	0	0																								
534 GASTROJEJUNAL ULCER		8	3	5	8	3	5	0	0	0	0	0	0																								
0 WITH HEMORRHAGE ONLY		6	1	5	6	1	5	0	0	0	0	0	0																								
1 WITH PERFORATION ONLY		1	1	0	1	1	0	0	0	0	0	0	0																								
9 OTHER AND UNSPECIFIED		1	1	0	1	1	0	0	0	0	0	0	0																								
535 GASTRITIS AND DUODENITIS		18	8	10	17	8	9	1	0	1	0	0	0																								
536 DISORDERS OF FUNCTION OF STOMACH		1	1	0	1	1	0	0	0	0	0	0	0																								
1 DISORDERS OF GASTRIC MOTILITY		1	1	0	1	1	0	0	0	0	0	0	0																								

RESIDENT DEATHS BY CAUSE, SEX, AND COLOR (RACE)

1978

INT. LIST NUMBER	CAUSE OF DEATH	TOT MALE	FEM	TOT	WHITE	NON-WHITE	UN- KNOWN	MALE	FEM	TOT	MALE	FEM	TOT
IX. DISEASES OF THE DIGESTIVE SYSTEM													
CONTINUED													
537	OTHER DISEASES OF STOMACH AND DUODENUM	13	5	8	13	5	8	0	0	0	0	0	0
0	PYLORIC STENOSIS, ACQUIRED	2	1	1	2	1	1	0	0	0	0	0	0
9	OTHER AND UNSPECIFIED	11	4	7	11	4	7	0	0	0	0	0	0
540-543 APPENDICITIS													
540	ACUTE APPENDICITIS	14	6	8	14	6	8	0	0	0	0	0	0
0	WITH PERITONITIS	14	6	8	14	6	8	0	0	0	0	0	0
9	WITHOUT MENTION OF PERITONITIS	13	6	7	13	6	7	0	0	0	0	0	0
550-553 HERNIA OF ABDOMINAL CAVITY													
550	INGUINAL HERNIA WITHOUT OBSTRUCTION	33	10	23	32	10	22	1	0	1	0	0	0
551	OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBSTRUCTION	1	1	0	1	1	0	0	0	0	0	0	0
1	UMBILICAL	14	6	8	13	6	7	1	0	1	0	0	0
2	VENTRAL	1	1	0	1	1	0	0	0	0	0	0	0
3	DIAPHRAGMATIC	1	0	1	1	0	1	0	0	0	0	0	0
8	OF OTHER SPECIFIED SITE	11	5	6	10	5	5	1	0	1	0	0	0
552	INGUINAL HERNIA WITH OBSTRUCTION	1	0	1	1	0	1	0	0	0	0	0	0
553	OTHER HERNIA OF ABDOMINAL CAVITY WITH OBSTRUCTION	1	1	0	1	1	0	0	0	0	0	0	0
0	FEMORAL	17	2	15	17	2	15	0	0	0	0	0	0
2	VENTRAL	2	0	2	2	0	2	0	0	0	0	0	0
3	DIAPHRAGMATIC	5	0	5	5	0	5	0	0	0	0	0	0
8	OF OTHER SPECIFIED SITE	2	0	2	2	0	2	0	0	0	0	0	0
9	OF UNSPECIFIED SITE	2	0	2	2	0	2	0	0	0	0	0	0
560-569 OTHER DISEASES OF INTESTINE AND PERITONEUM													
560	INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	493	207	286	475	198	277	18	9	9	0	0	0
0	INTUSSUSCEPTION	86	28	58	81	26	55	5	2	3	0	0	0
1	PARALYTIC ILEUS	4	2	2	3	1	2	1	0	1	0	0	0
2	VOLVULUS	5	2	3	5	2	3	0	0	0	0	0	0
3	IMPACTION OF INTESTINE	11	2	9	11	2	9	0	0	0	0	0	0
4	ADHESIONS WITH OBSTRUCTION	2	0	2	2	0	2	0	0	0	0	0	0
9	OTHER AND UNSPECIFIED	6	2	4	5	2	3	1	0	1	0	0	0
561	NUM-INF ENTERITIS, EXCEPT ULCERATIVE	58	20	38	55	19	36	3	1	2	0	0	0
562	DIVERTICULA OF INTESTINE	1	1	0	1	1	0	0	0	0	0	0	0
1	COLON	83	25	58	82	24	58	1	1	0	0	0	0
563	CHRONIC ENTERITIS AND ULCERATIVE COLITIS	83	25	58	82	24	58	1	1	0	0	0	0
0	REGIONAL ENTERITIS	22	9	13	22	9	13	0	0	0	0	0	0
		10	4	6	10	4	6	0	0	0	0	0	0

1978

INT. LIST NUMBER	CAUSE OF DEATH	TOT	MALE	FEM	TOTALS	* WHITE *	* NON-WHITE *	TOT	MALE	FEM	TOT	UNKN	DWN
580-629	X. DISEASES OF THE GENITOURINARY SYSTEM	705	320	385	678	304	374	27	16	11	0	0	0
580-584	NEPHRITIS AND NEPHROSIS	216	99	117	208	95	113	4	4	4	0	0	0
580	ACUTE NEPHRITIS	71	31	40	68	29	39	3	2	1	0	0	0
581	NEPHROTIC SYNDROME	3	2	1	3	2	1	0	0	0	0	0	0
582	CHRONIC NEPHRITIS	133	64	69	128	62	66	5	2	3	0	0	0
583	NEPHRITIS, UNQUALIFIED	9	2	7	9	2	7	0	0	0	0	0	0
590-599	(OTHER DISEASES OF URINARY SYSTEM)	465	202	263	447	191	256	18	11	7	0	0	0
590	INFECTION OF KIDNEY	70	10	52	67	17	50	3	1	2	0	0	0
591	CHRONIC PYELONEPHRITIS	32	11	21	32	11	21	0	0	0	0	0	0
592	OTHER PYELONEPHRITIS AND PYELITIS	33	17	26	31	6	25	2	1	1	0	0	0
593	ABSCESS OF KIDNEY AND PERIRENAL TISSUE	5	0	5	4	0	4	1	0	1	0	0	0
594	HYDRONEPHROSIS	6	3	3	6	3	3	0	0	0	0	0	0
595	CALCULUS OF KIDNEY AND URETER	6	1	5	6	1	5	0	0	0	0	0	0
596	OTHER DISEASES OF KIDNEY AND URETER	221	116	105	210	109	101	11	7	4	0	0	0
597	ACUTE TUBULAR NEPHROSIS	16	7	9	16	7	9	0	0	0	0	0	0
598	OTHER RENAL DISEASE	198	104	94	187	97	90	11	7	4	0	0	0
599	OBSTRUCTION OF URETER, NEC	7	5	2	7	5	2	0	0	0	0	0	0
599	CALCULUS OF OTHER PARTS OF URIN SYS	2	0	2	2	0	2	0	0	0	0	0	0
599	CYSTITIS	6	4	2	6	4	2	0	0	0	0	0	0
599	OTHER DISEASES OF BLADDER	7	3	4	7	3	4	0	0	0	0	0	0
599	FISTULA OF BLADDER	1	0	1	1	0	1	0	0	0	0	0	0
599	CONTRACTURE OF BLADDER (SPHINCTER)	1	1	0	1	1	0	0	0	0	0	0	0
599	OTHER DISEASES OF BLADDER	5	2	3	5	2	3	0	0	0	0	0	0
599	STRICTURE OF URETHRA	1	1	0	1	1	0	0	0	0	0	0	0
599	OTHER DISEASES OF URINARY TRACT	146	56	90	142	53	89	4	3	1	0	0	0
599	URINARY TRACT INFECTION NEC	145	56	89	141	53	88	4	3	1	0	0	0
599	OTHER DISEASES OF URINARY TRACT	1	0	1	1	0	1	0	0	0	0	0	0
600-607	DISEASES OF MALE GENITAL ORGANS	19	19	0	18	18	0	1	1	0	0	0	0
600	HYPERTROPHY OF PROSTATE	14	14	0	13	13	0	1	1	0	0	0	0
601	OTHER DISEASES OF PROSTATE	4	4	0	4	4	0	0	0	0	0	0	0
602	OTHER DISEASES OF MALE GENITAL ORGANS	1	1	0	1	1	0	0	0	0	0	0	0
607	OTHER INFLAMMATORY DISEASES	1	1	0	1	1	0	0	0	0	0	0	0
610-616	DISEASES OF BREAST, OVARY, FALLOPIAN TUBE, AND PARAMETRIUM	1	0	1	1	0	1	0	0	0	0	0	0
616	DISEASE OF PARAMETRIUM AND PELVIC PERITONEUM (FEMALE)	1	0	1	1	0	1	0	0	0	0	0	0
616	PELVIC INFLAMMATORY DISEASE	1	0	1	1	0	1	0	0	0	0	0	0

RESIDENT DEATHS BY CAUSE, SEX, AND COLOR (RACE)

1978

INT. LIST NUMBER		*****																				*****																			
CAUSE OF DEATH		TOTALS										WHITE										NON-WHITE										UNKNOWN									
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM																
X. DISEASES OF THE GENITOURINARY SYSTEM																																									
CONTINUED																																									
620-629 DISEASES OF UTERUS AND OTHER FEMALE																																									
GENITAL ORGANS																																									
620		4	0	4	4	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
620		1	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
9		1	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
629		3	0	3	3	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
4		1	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
8		1	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
9		1	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
630 678 XI. COMPLICATIONS OF PREGNANCY,																																									
CHILD BIRTH, AND PUERPERIUM																																									
640-645 ABORTION																																									
643		1	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
9		1	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
650-662 DELIVERY																																									
651		3	0	3	3	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
DELIVERY COMPLICATED BY PLACENTA PREVIA																																									
OR ANTEPARTUM HEMORRHAGE																																									
1		1	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
657		1	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
DELIVERY COMPLICATED BY PROLONGED LABOR																																									
OF OTHER ORIGIN																																									
1		1	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
661		1	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
8		1	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
OTHER SPECIFIED COMPLICATIONS																																									
670-678 COMPLICATIONS OF THE PUERPERIUM																																									
673		2	0	2	2	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
9		1	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
674		1	0	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																
CEREBRAL HEMORRHAGE IN THE PUERPERIUM																																									

IN, LIST

CAUSE OF DEATH		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
680-709	XII. DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	78	27	51	70	23	47	8	4	4
680-686	INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	22	11	11	21	10	11	1	1	0
682	OTHER CELLULITIS AND ABSCESS OF TRUNK	12	4	8	12	3	9	0	0	0
2	OF UPPER ARM AND FOREARM	5	3	2	5	3	2	0	0	0
4	OF LEG	1	0	1	1	0	1	0	0	0
9	OF OTHER AND MULTIPLE SITES	4	1	3	4	1	3	0	0	0
686	OTHER LOCAL INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	2	0	2	2	0	2	0	0	0
0	PYODERMA	10	7	3	9	6	3	1	1	0
1	PYOGENIC GRANULOMA	1	1	0	1	1	0	0	0	0
9	OTHER	4	2	2	4	2	2	0	0	0
690-698	OTHER INFLAMMATORY CONDITIONS OF SKIN AND SUBCUTANEOUS TISSUE	5	4	1	4	3	1	1	1	0
694	PEMPHIGUS	0	1	7	7	1	6	1	0	0
695	ERYTHEMATOUS CONDITIONS	3	1	2	3	1	2	0	0	0
1	ERYTHEMA MULTIFORME	5	0	5	4	0	4	1	0	0
4	LUPUS ERYTHEMATOSUS	2	0	2	2	0	2	0	0	0
700-709	OTHER DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	3	0	3	2	0	2	1	0	0
707	CHRONIC ULCER OF SKIN	48	15	33	42	12	30	6	3	3
0	DECUBITUS ULCER	48	15	33	42	12	30	6	3	3
1	LOWER EXTREMITY, EXCEPT DECUBIT ULCER	35	9	26	31	8	23	4	1	3
9	OTHER	4	1	3	4	1	3	0	0	0
9	OTHER	9	5	4	7	3	4	2	0	0

RESIDENT DEATHS BY CAUSE, SEX, AND COLOR (RACE)

1978

INT. LIST NUMBER	CAUSE OF DEATH	***** A * TOTALS * *****										***** A * WHITE * *****										***** A * UNKNOWN * *****									
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM									
710-738	XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	133	25	108	126	24	102	7	1	6	0	0	0	0	0	0	0	0	0	0	0	0									
710-718	ARTHRITIS AND RHEUMATISM, EXCEPT RHEUMATIC FEVER	56	11	45	55	10	45	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0									
712	RHEUMATOID ARTHRITIS AND ALLIED CONDITIONS	33	3	30	33	3	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
3	OTHER RHEUMATOID ARTHRITIS	32	2	30	32	2	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
4	SPONDYLITIS ANKYLOPOIETICA	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
713	OSTEOARTHRITIS AND ALLIED CONDITIONS	6	2	4	6	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
0	OSTEOARTHRITIS	6	2	4	6	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
715	ARTHRITIS, UNSPECIFIED	5	2	3	4	1	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0									
716	POLYMYOSITIS AND DERMATOMYOSITIS	9	2	7	9	2	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
0	DERMATOMYOSITIS	4	0	4	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
1	POLYMYOSITIS	5	2	3	5	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
717	OTHER NONARTICULAR RHEUMATISM	3	2	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
2	TORTICOLLIS NEC	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
9	OTHER MUSCULAR RHEUMATISM, FIBROSITIS	2	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
720-729	OSTEOMYELITIS AND OTHER DISEASES OF BONE AND JOINT	21	7	14	20	7	13	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0									
720	OSTEOMYELITIS AND PERIOSTITIS	8	3	5	7	3	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0									
2	UNSPECIFIED OSTEOMYELITIS	6	3	3	7	3	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0									
721	OSTEITIS DEFORMANS	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
723	OTHER DISEASES OF BONE	6	2	4	6	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
0	OSTEOPOROSIS	3	0	3	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
2	SPONTANEOUS FRACTURE	2	2	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
9	OTHER DISEASES OF BONE	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
72A	VERTEROGENIC PAIN SYNDROME	2	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
4	CERVICAL MYELOPATHY	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
8	RADICULAR SYNDROME OF LOWER LIMBS	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
729	OTHER DISEASES OF JOINT	4	0	4	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
1	OTHER DISEASES OF JOINT	2	0	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
5	OTHER DISEASES OF SPINE NEC	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
8	DISEASE HIP NEC	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
8	DISEASE KNEE NEC	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
730-738	OTHER DISEASES OF MUSCULOSKELETAL SYSTEM	56	7	49	51	7	44	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0									
732	INFLAM. OF MUSCLE, TENDON, AND FASCIA	3	1	2	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
733	OTHER DISEASES OF MUSCLE, TENDON, AND FASCIA	5	2	3	5	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
0	MYASTHENIA GRAVIS	3	1	2	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									

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JNT. LIST NUMBER	CAUSE OF DEATH	TOT	MALE	FEM	TOT	WHITE	TOT	NON-WHITE	TOT	MALE	FEM	TOT	UNKNOWN
	XIII. DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE												
	CONTINUED												
9	OTHER DIS OF MUSCLE, TENDON, AND FASCIA	2	1	1	2	1	0	0	0	0	0	0	0
734	DIFFUSE DISEASES OF CONNECTIVE TISSUE	37	4	33	32	4	28	5	0	0	0	0	0
0	PROGRESSIVE SYSTEMIC SCLEROSIS	26	3	23	25	3	22	1	0	0	0	0	0
1	SYSTEMIC LUPUS ERYTHEMATOSUS	11	1	10	7	1	6	4	0	0	0	0	0
735	CURVATURE OF SPINE	11	0	11	11	0	11	0	0	0	0	0	0
0	SCOLIOSIS	2	0	2	2	0	2	0	0	0	0	0	0
1	KYPHOSIS	3	0	3	3	0	3	0	0	0	0	0	0
2	KYPHOSCOLIOSIS	6	0	6	6	0	6	0	0	0	0	0	0
740	XIV. CONGENITAL ANOMALIES	256	133	123	236	127	111	17	6	11	1	0	1
740	ANENCEPHALUS	18	7	11	16	7	11	0	0	0	0	0	0
741	SPINA BIFIDA	5	0	5	5	0	5	0	0	0	0	0	0
0	WITH HYDROCEPHALUS	4	0	4	4	0	4	0	0	0	0	0	0
9	WITHOUT MENTION OF HYDROCEPHALUS	1	0	1	1	0	1	0	0	0	0	0	0
742	CONGENITAL HYDROCEPHALUS	10	6	4	10	6	4	0	0	0	0	0	0
743	OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	14	7	7	13	7	6	1	0	1	0	0	0
0	ENCEPHALOCELE	3	1	2	2	1	1	1	0	1	0	0	0
1	MICROCEPHALUS	3	0	3	3	0	3	0	0	0	0	0	0
2	OTHER SPECIFIED ANOMALIES OF BRAIN	1	1	0	1	1	0	0	0	0	0	0	0
9	UNSPECIFIED ANOMALIES OF NERVOUS SYSTEM	7	5	2	7	5	2	0	0	0	0	0	0
746	CONGENITAL ANOMALIES OF HEART	97	50	47	91	46	43	6	2	4	0	0	0
0	COMMON TRUNCUS	3	1	2	3	1	2	0	0	0	0	0	0
1	TRANSPOSITION OF GREAT VESSELS	3	3	0	2	2	0	1	1	0	0	0	0
2	TETRALOGY OF FALLOT	7	3	4	6	3	3	1	0	1	0	0	0
3	VENTRICULAR SEPTAL DEFECT	6	4	4	8	4	4	0	0	0	0	0	0
4	ATRIAL SEPTAL DEFECT	9	5	4	9	5	4	0	0	0	0	0	0
6	ANOMALIES OF HEART VALVE	8	2	6	8	2	6	0	0	0	0	0	0
8	OTHER SPECIFIED ANOMALIES OF HEART	9	4	5	9	4	5	0	0	0	0	0	0
9	UNSPECIFIED ANOMALIES OF HEART	50	28	22	46	27	19	4	1	3	0	0	0
747	OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	17	7	10	15	7	8	2	0	2	0	0	0
0	PATENT DUCTUS ARTERIOSUS	2	1	1	1	1	0	1	0	1	0	0	0
1	COCARCTATION OF AORTA	2	0	2	2	0	2	0	0	0	0	0	0
2	OTHER ANOMALIES OF AORTA	1	0	1	0	0	0	1	0	1	0	0	0
3	STENOSIS OR ATRESIA OF PULMONARY ARTERY	3	2	1	3	2	1	0	0	0	0	0	0
6	OTHER ANOMAL OF PERIPH VASC SYST	6	2	4	6	2	4	0	0	0	0	0	0

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INT. LIST NUMBER	CAUSE OF DEATH	TOTALS			WHITE			NON-WHITE			UNKNOWN		
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
XIV. CONGENITAL ANOMALIES													
CONTINUED													
8	OTHER SPEC ANOMAL OF CIRC SYST	2	0	2	2	0	2	0	0	0	0	0	0
9	UNSPEC ANOMAL OF CIRC SYST	1	0	1	1	0	1	0	0	0	0	0	0
74A	CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	32	22	10	30	22	8	1	0	1	1	0	1
3	OTHER ANOMAL OF LARYNX, TRACH, BRONCHUS	3	2	1	2	2	0	0	0	0	1	0	1
4	CONGENITAL CYSTIC LUNG	1	0	1	1	0	1	0	0	0	0	0	0
6	OTHER ANOMALIES OF LUNG	28	20	8	27	20	7	1	0	1	0	0	0
751	OTHER CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	6	1	5	5	1	4	1	0	1	0	0	0
1	ANOMALIES OF INTESTINAL FIXATION	1	0	1	0	0	0	1	0	1	0	0	0
2	HIRSCHSPRUNG'S DISEASE	1	0	1	1	0	1	0	0	1	0	0	0
5	ATRESIA OF BILIARY DUCTS	3	1	2	3	1	2	0	0	0	0	0	0
8	OTHER SPEC ANOMAL OF G.I. TRACT	1	0	1	1	0	1	0	0	0	0	0	0
753	CONGENITAL ANOMALIES OF URINARY SYSTEM	17	10	7	15	9	6	2	1	1	0	0	0
0	RENAL AGENESIS	6	4	2	5	3	2	1	1	0	0	0	0
1	CYSTIC KIDNEY DISEASE	8	4	4	7	4	3	1	0	1	0	0	0
3	OTHER SPECIFIED ANOMALIES OF KIDNEY	2	1	1	2	1	1	0	0	0	0	0	0
9	UNSPEC ANOMALIES OF URINARY SYST	1	1	0	1	1	0	0	0	0	0	0	0
756	OTHER CONGENITAL ANOMALIES OF MUSCULOSKELETAL SYSTEM	4	3	1	4	3	1	0	0	0	0	0	0
0	ANOMALIES OF SKULL AND FACE BONES	1	1	0	1	1	0	0	0	0	0	0	0
2	OTHER ANOMALIES OF SPINE	1	0	1	1	0	1	0	0	0	0	0	0
7	OTHER GEN ANOMAL OF SKELETON	1	1	0	1	1	0	0	0	0	0	0	0
8	OTHER ANOMAL OF MUSCLE, TENDON, FASCIA	1	1	0	1	1	0	0	0	0	0	0	0
757	CONGENITAL ANOMALIES OF SKIN, HAIR, AND NAILS	1	0	1	1	0	1	0	0	0	0	0	0
2	OTHER SPECIFIED ANOMALIES OF SKIN	1	0	1	1	0	1	0	0	0	0	0	0
75A	OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	4	3	1	3	2	1	1	0	0	0	0	0
0	ANOMALIES OF SPLEEN	1	0	1	1	0	1	0	0	0	0	0	0
8	OTHER SPECIFIED CONGENITAL ANOMALY	1	1	0	1	1	0	0	0	0	0	0	0
9	UNSPECIFIED CONGENITAL ANOMALY	2	2	0	1	1	0	1	0	0	0	0	0
759	CONGENITAL SYNDROMES AFFECTING MULTIPLE SYSTEMS	31	17	14	28	15	13	3	2	1	0	0	0
2	OTHER FORMS OF MONSTER	2	1	1	2	1	1	0	0	0	0	0	0
3	DOWN'S DISEASE	3	2	1	3	2	1	0	0	0	0	0	0
4	AUTOSOMAL ABNORMALITY	9	5	4	9	5	4	0	0	0	0	0	0
6	TURFEROUS SCLEROSIS	2	1	1	2	1	1	0	0	0	0	0	0
8	OTHER SPECIFIED SYNDROMES	4	2	2	4	2	2	0	0	0	0	0	0
9	MULTIPLE CONGEN ANOMALIES, UNSPEC	11	6	5	8	4	4	3	2	1	0	0	0

RESIDENT DEATHS BY CAUSE, SEX, AND COLOR (RACE)

1978

INT. LIST NUMBER	CAUSE OF DEATH	***** * TOTAL * WHITE * NON-WHITE * UNKNOWN * *****											
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
760	779 XV. CERTAIN CAUSES OF PERINATAL MORBIDITY AND MORTALITY	401	217	184	346	188	158	54	29	25	1	0	1
761	OTHER MATERNAL CONDITIONS UNRELATED TO PREGNANCY	2	2	0	2	2	0	0	0	0	0	0	0
1	DIABETES MELLITUS	1	1	0	1	1	0	0	0	0	0	0	0
5	INJURY	1	1	0	1	1	0	0	0	0	0	0	0
762	TOXEMIA OF PREGNANCY	3	2	1	3	2	1	0	0	0	0	0	0
0	RENAL DIS ARISING DURING PREGNANCY	1	0	1	1	0	1	0	0	0	0	0	0
1	PRE-ECLAMPSIA OF PREGNANCY	2	2	0	2	2	0	0	0	0	0	0	0
763	MATERNAL ANTE- AND INTRAPARTUM INFECTION	5	3	2	4	2	2	1	1	0	0	0	0
9	OTHER	5	3	2	4	2	2	1	1	0	0	0	0
767	DIFFICULT LABOR WITH ABNORMALITY OF FORCES OF LABOR	1	1	0	1	1	0	0	0	0	0	0	0
4	WITH ASPHYXIA, ANOXIA, OR HYPOXIA	1	1	0	1	1	0	0	0	0	0	0	0
768	DIFFICULT LABOR WITH OTHER AND UNSPECIFIED COMPLICATIONS	1	1	0	1	1	0	0	0	0	0	0	0
9	WITHOUT INJURY, ASPHYXIA, OR HYPOXIA	1	1	0	1	1	0	0	0	0	0	0	0
769	OTHER COMPLICATIONS OF PREGNANCY AND CHILDBIRTH	51	29	22	46	26	20	5	3	2	0	0	0
0	INCOMPLETE CERVIX	2	0	2	2	0	2	0	0	0	0	0	0
1	PREMATURE RUPTURE OF MEMBRANES	6	4	4	8	4	4	0	0	0	0	0	0
2	HYDRANNIOS	2	1	1	2	1	1	0	0	0	0	0	0
4	MULTIPLE PREGNANCY	38	24	14	33	21	12	5	3	2	0	0	0
9	OTHER	1	0	1	1	0	1	0	0	0	0	0	0
770	CONDITION OF PLACENTA	7	5	2	6	4	2	1	1	0	0	0	0
1	PREMATURE SEPARATION OF PLACENTA	7	5	2	6	4	2	1	1	0	0	0	0
771	CONDITION OF UMBILICAL CORD	1	0	1	1	0	1	0	0	0	0	0	0
0	COMPRESSION OF CORD	1	0	1	1	0	1	0	0	0	0	0	0
772	BIRTH INJURY WITHOUT MENTION OF CAUSE TO BRAIN	34	16	18	29	14	15	5	2	3	0	0	0
0	OTHER AND UNSPECIFIED	33	16	17	28	14	14	5	2	3	0	0	0
9	TERMINATION OF PREGNANCY	1	0	1	1	0	1	0	0	0	0	0	0
773	HEMOLYTIC DISEASE OF NEWBORN WITHOUT	1	0	1	1	0	1	0	0	0	0	0	0
775	MENTION OF KERNICTERUS	11	3	8	11	3	8	0	0	0	0	0	0
9	WITHOUT MENTION OF CAUSE	11	3	8	11	3	8	0	0	0	0	0	0
776	ANOXIC AND HYPOXIC CONDITIONS NOT ELSEWHERE CLASSIFIABLE	157	89	68	132	75	57	24	14	10	1	0	1
0	ASPIRATION OF CONTENT OF BIRTH CANAL	6	2	4	6	2	4	0	0	0	0	0	0
1	HYALINE MEMBRANE DISEASE	41	21	20	37	18	19	4	3	1	0	0	0
2	RESPIRATORY DISTRESS SYNDROME	50	33	17	43	28	15	6	5	1	1	0	1
3	FETAL DISTRESS	2	1	1	1	0	1	1	1	0	0	0	0

RESIDENT DEATHS BY CAUSE, SEX, AND COLOR (RACE)

1978

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RESIDENT DEATHS BY CAUSE, SEX, AND COLOR (RACE)

1978

INT. LIST NUMBER	CAUSE OF DEATH	***** * TOTALS * WHITE * UN - WHITE * UNKN * *****									
		TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT
		MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE
	E XVII. ACCIDENTS, POISONINGS, AND VIOLENCE (EXTERNAL CAUSE)										
	CONTINUED										
850	ACCIDENTAL POISONING BY ANTIBIOTICS AND OTHER ANTI-INFECTIVES	1	0	1	1	0	1	0	0	0	0
851	QUINOLINE AND HYDROXYQUINOLINE	1	0	1	1	0	1	0	0	0	0
852	ACCIDENTAL POISONING BY PRIMARILY SYSTEMIC & HEMATOLOGIC AGENTS	1	0	1	1	0	1	0	0	0	0
853	ANTINEOPLASTIC AGENTS	1	0	1	1	0	1	0	0	0	0
854	ACCIDENTAL POISONING BY ANALGESICS AND ANTIPIRETTICS	22	16	6	21	15	6	1	1	0	0
855	OPiates AND SYNTHETIC ANALOGUES	10	9	1	10	9	1	0	0	0	0
856	SALICYLATES AND CONGENERS	2	1	1	2	1	1	0	0	0	0
857	OTHER ANALGESICS AND ANTIPIRETTICS	10	6	4	9	5	4	1	1	0	0
858	ACCIDENTAL POISONING BY OTHER SEDATIVES AND HYPNOTICS	11	9	2	11	9	2	0	0	0	0
859	BARBITURATES	7	6	1	7	6	1	0	0	0	0
860	OTHER SEDATIVES AND HYPNOTICS	4	3	1	4	3	1	0	0	0	0
861	ACCIDENTAL POISONING BY AUTONOMIC NERVOUS SYSTEM & PSYCHOTHERAPEUTIC TRANQUILIZERS	3	0	3	3	0	3	0	0	0	0
862	ACCIDENTAL POISONING BY CARDIOVASCULAR DRUGS	6	1	5	5	1	4	1	0	1	0
863	CARDIAC TONICS	6	1	5	5	1	4	1	0	1	0
864	ACCIDENTAL POISONING BY OTHER AND UNSPEC. DRUGS AND MEDICAMENTS	6	3	3	6	3	3	0	0	0	0
865	XANTHINE DERIVATIVES	1	1	0	1	1	0	0	0	0	0
866	OTHER SPECIFIED DRUGS	1	1	0	1	1	0	0	0	0	0
867	DRUGS, UNSPECIFIED	4	1	3	4	1	3	0	0	0	0
868	ACCIDENTAL POISONING BY OTHER SOLID AND LIQUID SUBSTANCES	17	11	6	16	10	6	1	1	0	0
869	ACCIDENTAL POISONING BY ALCOHOL	4	4	0	3	3	0	1	1	0	0
870	ACCIDENTAL POISONING BY DISINFECTANTS	1	0	1	1	0	1	0	0	0	0
871	ACCID POIS BY OTHER SOLID OR LIQUID	12	7	5	12	7	5	0	0	0	0
872	ACCIDENTAL POISONING BY GASES AND VAPORS BY LIQ PETROLIUM GAS IN CONTAINERS	39	26	13	36	24	12	2	1	1	1
873	ACCID POIS BY MOTOR VEH EXHAUST GAS	2	1	1	1	0	1	0	0	1	0
874	RY OTHER CARBON MONOXIDE	30	19	11	28	18	10	2	1	1	0
875	ACCID POIS BY OTHER GASES	3	3	0	3	3	0	0	0	0	0
876	RY UNSPECIFIED GASES	3	2	1	3	2	1	0	0	0	0
877	ACCIDENTAL FALLS	1	1	0	1	1	0	0	0	0	0
878	ACCIDENTAL FALLS	550	232	318	542	230	312	6	2	6	0

1978

INT. LIST NUMBER	CAUSE OF DEATH	TOT MALE	FEM	TOT	WHITE	NON-WHITE	UNKN	OWN	MALE	FEM	TOT	MALE	FEM	TOT
E XVII. ACCIDENTS, POISONINGS, AND VIOLENCE (EXTERNAL CAUSE)														
CONTINUED														
880	FALL ON OR FROM STAIRS OR STEPS	66	40	26	63	40	23	3	0	3	0	0	0	0
881	FALL ON OR FROM LADDERS OR SCAFFOLDING	8	8	0	8	8	0	0	0	0	0	0	0	0
882	FALL FROM BUILDING OR OTHER STRUCT	16	14	2	14	13	1	2	1	1	0	0	0	0
883	FALL INTO HOLE	6	6	0	5	5	0	1	0	0	0	0	0	0
884	OTHER FALL FROM ONE LEVEL TO ANOTHER	34	11	23	34	11	23	0	0	0	0	0	0	0
885	FALL ON SAME LEVEL FROM SLIPPING	21	9	12	21	9	12	0	0	0	0	0	0	0
886	FALL ON SAME LEVEL FROM COLLISION	2	2	0	2	2	0	0	0	0	0	0	0	0
887	OTHER AND UNSPECIFIED FALL	397	142	255	395	142	253	2	0	2	0	0	0	0
890-899	ACCIDENTS CAUSED BY FIRES AND FLAMES	157	88	69	146	79	67	11	9	2	0	0	0	0
890	ACCID CONFLAGRATION IN PRIV DWELLING	114	60	54	107	55	52	7	5	2	0	0	0	0
892	CONFLAGR NOT IN BUILDING	2	2	0	1	1	0	1	1	0	0	0	0	0
893	ACCID CAUSED BY IGNITION OF CLOTHING	12	6	6	12	6	6	0	0	0	0	0	0	0
894	BY IGNITION OF HIGHLY INFLAM MATERIAL	2	1	1	2	1	1	0	0	0	0	0	0	0
895	BY CONTROLLED FIRE IN PRIVATE DWELLING	1	0	1	1	0	1	0	0	0	0	0	0	0
896	BY CONTROLLED FIRE IN OTHER BUILDING	1	0	1	1	0	1	0	0	0	0	0	0	0
897	BY CONTROLLED FIRE NOT IN BUILDING	1	1	0	0	0	0	1	1	0	0	0	0	0
898	BY OTHER SPECIFIED FIRES OR FLAMES	8	8	0	7	7	0	1	1	0	0	0	0	0
899	ACCIDENT CAUSED BY UNSPECIFIED FIRE	16	10	6	15	9	6	1	1	0	0	0	0	0
900-909	ACCIDENTS CAUSED BY NATURAL AND ENVIRONMENTAL FACTORS	20	10	10	19	10	9	1	0	1	0	0	0	0
900	EXCESSIVE HEAT	4	1	3	4	1	3	0	0	0	0	0	0	0
901	EXCESSIVE COLD	10	5	4	9	6	3	1	0	1	0	0	0	0
904	HUNGER, THIRST, EXPOSURE AND NEGLECT	3	2	1	3	2	1	0	0	0	0	0	0	0
905	BITES AND STINGS OF SNAKES AND INSECTS	1	0	1	1	0	1	0	0	0	0	0	0	0
906	OTHER ACCIDENTS CAUSED BY ANIMALS	1	0	1	1	0	1	0	0	0	0	0	0	0
907	LIGHTNING	1	1	0	1	1	0	0	0	0	0	0	0	0
910-929	OTHER ACCIDENTS	268	209	59	244	189	55	21	17	4	3	3	0	0
910	ACCIDENTAL DROWNING AND SUBMERSION	97	84	13	85	73	12	9	6	1	3	3	0	0
911	IN RECREATIONAL ACTIVITIES	21	18	3	18	16	2	2	1	1	1	1	0	0
912	OTHER AND UNSPECIFIED	76	66	10	67	57	10	7	7	0	2	2	0	0
913	INHALATION AND INGESTION OF FOOD	52	33	19	50	32	18	2	1	1	0	0	0	0
914	INHALAT AND INGEST OF OTHER OBJECT	14	11	3	11	9	2	3	2	1	0	0	0	0
915	ACCIDENTAL MECHANICAL SUFFOCATION	16	10	6	15	9	6	1	1	0	0	0	0	0
916	IN BED OR CRADLE	1	0	1	1	0	1	0	0	0	0	0	0	0
917	OTHER AND UNSPECIFIED	15	10	5	14	9	5	1	1	0	0	0	0	0
918	STRUCK ACCIDENTALLY BY FALLING OBJECT	9	9	0	9	9	0	0	0	0	0	0	0	0
919	STRUCK ACCIDENTALLY BY OBJECTS	14	10	4	11	7	4	3	3	0	0	0	0	0

RESIDENT DEATHS BY CAUSE, SEX, AND COLOR (RACE)

1978

INT. LIST NUMBER	CAUSE OF DEATH	***** * T O T A L S * W H I T E * N O N - W H I T E * U N K N O W N * *****											
		TOT MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	
E XVII. ACCIDENTS, POISONINGS, AND VIOLENCE (EXTERNAL CAUSE)													
CONTINUED													
918	CAUGHT ACCID IN OR BETWEEN OBJECTS	0	7	1	6	5	1	2	0	0	0	0	0
919	OVER-EXERTION	2	2	0	2	2	0	0	0	0	0	0	0
922	ACCIDENT CAUSED BY FIREARM MISSILES	2	2	0	2	2	0	0	0	0	0	0	0
9	OTHER AND UNSPECIFIED	2	2	0	2	2	0	0	0	0	0	0	0
923	ACCIDENT CAUSED BY EXPLOSIVE MATERIAL	4	1	3	4	1	3	0	0	0	0	0	0
2	EXPLOSIVE GASES	3	1	2	3	1	2	0	0	0	0	0	0
9	UNSPECIFIED	1	0	1	1	0	1	0	0	0	0	0	0
924	BY HOT SUBSTANCE, CORROS LIQ OR STEAM	5	2	3	4	2	2	1	0	0	0	0	0
925	ACCIDENT CAUSED BY ELECTRIC CURRENT	13	12	1	13	12	1	0	0	0	0	0	0
0	HOME WIRING AND APPLIANCES	1	1	0	1	1	0	0	0	0	0	0	0
1	INDUSTRIAL WIRING OR APPLIANCES	2	2	0	2	2	0	0	0	0	0	0	0
8	OTHER	6	5	1	6	5	1	0	0	0	0	0	0
9	UNSPECIFIED	4	4	0	4	4	0	0	0	0	0	0	0
927	VEH ACCID NOT ELSEWHERE CLASSIFIABLE	6	6	0	6	6	0	0	0	0	0	0	0
928	MACHIN ACCID NOT ELSEWHERE CLASSIF	5	5	0	5	5	0	0	0	0	0	0	0
929	OTHER AND UNSPECIFIED ACCIDENTS	21	15	6	21	15	6	0	0	0	0	0	0
930-936	SURGICAL AND MEDICAL COMPLICATIONS AND MISADVENTURES	38	19	19	35	18	17	3	1	2	0	0	0
930	COMPLICATIONS AND MISADVENTURES IN OPERATIVE THERAPEUTIC PROCEDURE	24	12	12	23	12	11	1	0	1	0	0	0
0	IN SURG TREATMENT, EXCL ANESTHETIC	19	10	9	19	10	9	0	0	0	0	0	0
1	IN ANESTH DURING OPERAT TREATMENT	4	1	3	3	1	2	1	0	1	0	0	0
9	IN OTHER PROCED DURING OPERAT	1	1	0	1	1	0	0	0	0	0	0	0
931	COMPLICATIONS & MISADVENTURES IN OTHER & UNSPEC. THERAPEUTIC PROCEDURE	10	4	6	8	3	5	2	1	1	0	0	0
1	IN ADMINISTRATION OF DRUGS AND BIOLOG	4	3	1	3	2	1	1	0	0	0	0	0
2	IN INFUSION AND TRANSFUSION	2	0	2	2	0	2	0	0	0	0	0	0
8	IN OTHER THERAPEUTIC PROCEDURES	2	0	2	2	0	2	0	0	0	0	0	0
9	IN UNSPECIFIED THERAPEUTIC PROCEDURES	2	1	1	1	1	0	1	0	1	0	0	0
932	COMPLICATIONS AND MISADVENTURES IN DIAGNOSTIC PROCEDURES	3	2	1	3	2	1	0	0	0	0	0	0
0	IN SURG PROCED NOT BY ANESTH	3	2	1	3	2	1	0	0	0	0	0	0
933	COMPLICATIONS & MISADVENTURES IN PROPHYLAXIS WITH BACT. VACCINES	1	1	0	1	1	0	0	0	0	0	0	0
0	BCG VACCINE	1	1	0	1	1	0	0	0	0	0	0	0
940-949	LATE EFFECTS OF ACCIDENTAL INJURY	9	5	4	9	5	4	0	0	0	0	0	0
940	LATE EFFECT OF MOTOR VEHICLE ACCIDENT	3	2	1	3	2	1	0	0	0	0	0	0
943	LATE EFFECT OF ACCIDENTAL FALL	1	0	1	1	0	1	0	0	0	0	0	0

RESIDENT DEATHS BY CAUSE, SEX, AND COLOR (RACE)

1978

***** * TOTAL * WHITE * NON-WHITE * UNKNOWN * *****											
INT. LIST NUMBER	CAUSE OF DEATH	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT
E XVII. ACCIDENTS, POISONINGS, AND VIOLENCE (EXTERNAL CAUSE)											
CONTINUED											
946	LATE EFFECT OF OTHER ACCIDENTS	3	1	2	3	1	2	0	0	0	0
947	LATE EFFECT OF SURGICAL OPERATION	2	2	0	2	2	0	0	0	0	0
950-959	SUICIDE AND SELF-INFLICTED INJURY	516	369	147	501	357	144	15	12	3	0
950	SUICIDE AND SELF-INFLICTED POISONING BY										
	SOLID OR LIQUID SUBSTANCES	71	25	46	71	25	46	0	0	0	0
0	BARIUM CHLORIDE AND DERIVATIVES	13	4	9	13	4	9	0	0	0	0
1	SALICYLATES AND CONGENERS	2	0	2	2	0	2	0	0	0	0
2	PSYCHOTHERAPEUTIC AGENTS	17	6	11	17	6	11	0	0	0	0
3	OTHER AND UNSPECIFIED DRUGS	23	7	16	23	7	16	0	0	0	0
4	CORROSIVE AROMATICS	2	0	2	2	0	2	0	0	0	0
6	LYE AND POTASH (CAUSTIC ALKALI)	1	0	1	1	0	1	0	0	0	0
7	ARSENIC AND ITS COMPOUNDS	1	0	1	1	0	1	0	0	0	0
9	OTHER SOLID AND LIQUID SUBST	12	8	4	12	8	4	0	0	0	0
951	SUICIDE BY DOMESTIC GASES	1	1	0	1	1	0	0	0	0	0
952	SUICIDE AND SELF-INFLICTED POISONING BY										
	OTHER GASES	86	53	33	86	53	33	0	0	0	0
0	MOTOR VEHICLE EXHAUST GAS	77	47	30	77	47	30	0	0	0	0
1	OTHER CARBON MONOXIDE	8	5	3	8	5	3	0	0	0	0
9	OTHER AND UNSPECIFIED GASES AND VAPORS	1	1	0	1	1	0	0	0	0	0
953	SUICIDE BY HANGING, STRANG AND SUFFOC	132	101	31	128	98	30	4	3	1	0
954	SUICIDE BY SUBMERSION	22	11	11	20	10	10	2	1	1	0
955	SUICIDE BY FIREARMS AND EXPLOS	148	135	13	144	131	13	4	4	0	0
956	SUICIDE CUTTING AND PIERCING	14	11	3	13	11	2	1	0	1	0
957	SUICIDE BY JUMPING FROM HIGH PLACE	26	21	5	22	17	5	4	4	0	0
958	SUICIDE BY OTHER MEANS	16	11	5	16	11	5	0	0	0	0
960-969	HOMICIDE AND INJURY PURPOSELY INFLECTED										
	BY OTHER PERSONS	214	162	52	162	120	42	51	42	9	1
963	ASSAULT BY HANGING AND STRANGULATION	13	7	6	13	7	6	0	0	0	0
964	ASSAULT BY SUBMERSION (DROWNING)	1	1	0	1	1	0	0	0	0	0
965	ASSAULT BY FIREARMS AND EXPLOSIVES	103	82	21	74	57	17	29	25	4	0
966	ASSAULT BY CUTTING AND PIERCING	67	50	17	51	38	13	16	12	4	0
968	ASSAULT BY OTHER MEANS	29	21	8	22	16	6	6	5	1	1
969	LATE EFFECT OF ASSAULT	1	1	0	1	1	0	0	0	0	0
970-978	LEGAL INTERVENTION										
970	DUE TO LEGAL INTERVENTION BY FIREARMS	3	3	0	2	2	0	1	1	0	0
980-989	INJURY UNDETERMINED WHETHER ACCIDENTALLY										
	OR PURPOSELY INFLECTED	73	51	22	69	48	21	4	3	1	0

RESIDENT DEATHS BY CAUSE, SEX, AND COLOR (RACE)

1978

 * TOTALS * WHITE * NON-WHITE * UNKNOWN *
 * * * * *
 * * * * *

INT. LIST
 NUMBER

CAUSE OF DEATH

E XVII. ACCIDENTS, POISONINGS, AND
 VIOLENCE (EXTERNAL CAUSE)

CONTINUED

POISON BY SOLID OR LIQUID UNDETERMINED
 ACCIDENT OR PURPOSELY INFLECTED
 BARBITURIC ACID AND DERIVATIVES
 SALICYLATES AND CONGENERS
 PSYCHOTHERAPEUTIC AGENTS
 OTHER AND UNSPECIFIED DRUGS
 OTHER SOLID AND LIQUID SUBSTANCES
 BY DOMEST GAS UNKNOWN WHETHER ACCIDENT
 BY OTHER GAS UNKNOWN WHETHER ACCIDENT
 HANGING, STRANG UNKNOWN WHETHER ACCIDENT
 SUBMERSION UNKNOWN WHETHER ACCIDENT
 INJ BY FIREARMS AND EXPLOSIVES
 FALLING FROM HIGH PLACE
 INJURY BY OTHER MEANS

TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM	TOT	MALE	FEM
28	18	10	27	17	10	1	1	0	0	0	0
4	4	0	4	4	0	0	0	0	0	0	0
2	1	1	2	1	1	0	0	0	0	0	0
2	1	1	2	1	1	0	0	0	0	0	0
15	11	4	14	10	4	1	1	0	0	0	0
5	1	4	5	1	4	0	0	0	0	0	0
1	1	0	1	1	0	0	0	0	0	0	0
2	2	0	2	2	0	0	0	0	0	0	0
3	3	0	3	3	0	0	0	0	0	0	0
8	6	2	6	5	1	2	1	1	0	0	0
9	7	2	9	7	2	0	0	0	0	0	0
6	4	2	5	3	2	1	1	0	0	0	0
16	10	6	16	10	6	0	0	0	0	0	0

ALL CAUSES TOTAL
 ALL CAUSES MALES
 ALL CAUSES FEMALES

52544	26990	25554	51052	26124	24928	1462	847	615	30	19	11
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TABLE 1B
LEADING CAUSES OF RESIDENT DEATHS BY AGE GROUP AND SEX

	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
<u>Under 1 Year</u>				<u>25-29 Years</u>		
Certain Causes of Perinatal Mortality (760-779)	197	215	178	Motor Vehicle Accidents (810-823)	106	85
Congenital Anomalies (740-759)	169	93	76	Suicide (950-959)	81	21
Sudden Infant Death Syndrome (7950)	65	38	27	Malignant Neoplasms (140-209)	65	27
Diseases of the Respiratory System (460-519)	44	30	14	Other Accidents (800-809, 824-949)	61	8
All Other Causes	178	43	34	Homicide (960-969)	40	10
Total	1753	419	329	All Other Causes	136	55
<u>1-4 Years</u>				Total	489	146
Other Accidents (800-809, 824-949)	28	20	8	<u>30-34 Years</u>		
Motor Vehicle Accidents (810-823)	17	10	7	Malignant Neoplasms (140-209)	76	36
Diseases of the Respiratory System (460-519)	16	8	8	Motor Vehicle Accidents (810-823)	73	10
Congenital Anomalies (740-759)	16	8	8	Other Accidents (800-809, 824-949)	52	12
Malignant Neoplasms (140-209)	10	5	5	Suicide (950-959)	44	13
All Other Causes	55	30	25	All Other Causes	201	66
Total	142	81	61	Total	446	141
<u>5-9 Years</u>				<u>35-39 Years</u>		
Other Accidents (800-809, 824-949)	23	17	6	Malignant Neoplasms (140-209)	106	51
Motor Vehicle Accidents (810-823)	21	10	11	Ischemic Heart Disease (410-414)	76	64
Malignant Neoplasms (140-209)	16	7	9	Suicide (950-959)	42	13
All Other Causes	45	23	22	All Other Causes	259	77
Total	105	57	48	Total	483	157
<u>10-14 Years</u>				<u>40-44 Years</u>		
Motor Vehicle Accidents (810-823)	35	22	13	Malignant Neoplasms (140-209)	197	78
Other Accidents (800-809, 824-949)	30	19	11	Ischemic Heart Disease (410-414)	167	142
Malignant Neoplasms (140-209)	21	12	9	Cirrhosis of the Liver (571)	47	29
All Other Causes	45	30	15	All Other Causes	305	199
Total	131	83	48	Total	716	268
<u>15-19 Years</u>				<u>45-49 Years</u>		
Motor Vehicle Accidents (810-823)	216	169	47	Malignant Neoplasms (140-209)	376	166
Other Accidents (800-809, 824-949)	67	54	13	Ischemic Heart Disease (410-414)	345	287
Malignant Neoplasms (140-209)	35	19	16	Cirrhosis of the Liver (571)	95	61
Suicide (950-959)	23	19	4	All Other Causes	383	218
All Other Causes	96	63	33	Total	1261	501
Total	437	324	113	<u>50-54 Years</u>		
<u>20-24 Years</u>				Malignant Neoplasms (140-209)	719	364
Motor Vehicle Accidents (810-823)	211	175	36	Ischemic Heart Disease (410-414)	624	484
Suicide (950-959)	71	55	16	Cirrhosis of the Liver (571)	135	85
Other Accidents (800-809, 824-949)	67	56	11	Diseases of the Respiratory System (460-519)	83	55
Homicide (960-969)	46	37	9	Cerebrovascular Disease (430-438)	77	34
All Other Causes	126	80	46	All Other Causes	443	166
Total	521	403	118	Total	2081	773

	TOTAL	MALE	FEMALE		TOTAL	MALE	FEMALE
<u>55-59 Years</u>							
Malignant Neoplasms (140-209)	1101	590	511	Ischemic Heart Disease (410-414)	3010	1260	1750
Ischemic Heart Disease (410-414)	992	779	213	Malignant Neoplasms (140-209)	1432	683	749
Diseases of the Respiratory System (460-519)	145	83	62	Cerebrovascular Disease (430-438)	935	348	587
Cirrhosis of the Liver (571)	134	91	43	Diseases of the Respiratory System (460-519)	609	365	244
Cerebrovascular Disease (430-438)	118	58	60	All Other Causes	1589	668	921
All Other Causes	613	371	242	Total	7575	3324	4251
Total	3103	1972	1131	<u>85-89 Years</u>			
<u>60-64 Years</u>							
Malignant Neoplasms (140-209)	1496	842	654	Ischemic Heart Disease (410-414)	2606	898	1708
Ischemic Heart Disease (410-414)	1481	1052	429	Cerebrovascular Disease (430-438)	853	249	604
Diseases of the Respiratory System (460-519)	248	150	98	Malignant Neoplasms (140-209)	805	340	465
Cerebrovascular Disease (430-438)	202	108	94	Diseases of the Respiratory System (460-519)	579	255	324
Cirrhosis of the Liver (571)	152	95	57	All Other Causes	1382	472	910
All Other Causes	868	523	345	Total	6225	2214	4011
Total	4447	2770	1677	<u>90-94 Years</u>			
<u>65-69 Years</u>							
Ischemic Heart Disease (410-414)	1972	1315	657	Ischemic Heart Disease (410-414)	1458	426	1032
Malignant Neoplasms (140-414)	1709	965	744	Cerebrovascular Disease (430-438)	448	116	332
Diseases of the Respiratory System (460-519)	363	245	118	Diseases of the Respiratory System (460-519)	334	124	210
Cerebrovascular Disease (430-438)	325	185	140	Malignant Neoplasms (140-209)	267	106	161
Cirrhosis of the Liver (571)	123	91	32	All Other Causes	788	218	570
All Other Causes	1035	572	463	Total	3295	990	2305
Total	5527	3373	2154	<u>95-99 Years</u>			
<u>70-74 Years</u>							
Ischemic Heart Disease (410-414)	2409	1412	997	Ischemic Heart Disease (410-414)	475	106	369
Malignant Neoplasms (140-209)	1800	1031	769	Cerebrovascular Disease (430-438)	131	28	103
Cerebrovascular Disease (430-438)	481	234	247	Diseases of the Respiratory System (460-519)	119	35	84
Diseases of the Respiratory System (460-519)	478	317	161	Malignant Neoplasms (140-209)	65	24	41
Diabetes Mellitus (250)	158	81	77	All Other Causes	237	56	181
All Other Causes	1153	613	540	Total	1027	249	778
Total	6479	3688	2791	<u>100 Years and Over</u>			
<u>75-79 Years</u>							
Ischemic Heart Disease (410-414)	2735	1367	1368	Ischemic Heart Disease (410-414)	88	12	76
Malignant Neoplasms (140-209)	1651	847	804	Diseases of the Respiratory System (460-519)	17	4	13
Cerebrovascular Disease (430-438)	705	283	422	All Other Causes	63	13	50
Diseases of the Respiratory System (460-519)	582	348	234	Total	168	29	139
Diabetes Mellitus (250)	129	55	74				
All Other Causes	1321	598	723				
Total	7121	3518	3605				

*Includes 5 Infant deaths of unknown sex.

*Includes 5 infant deaths of unknown sex.

TABLE 19A
NUMBER OF DEATHS FOR SELECTED CAUSES
BY SEX, RACE AND AGE - MASSACHUSETTS RESIDENTS

CAUSE OF DEATH	0-4	5-9	10-14	15-19	20-29	30-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+
MALIGNANT NEOPLASMS (140-209)															
WHITE MALE	7	7	10	18	55	83	75	152	344	565	811	941	1006	832	1137
WHITE FEMALE	5	8	9	16	38	92	114	198	343	497	644	737	757	793	1397
OTHER MALE	1	0	2	1	2	4	3	14	20	25	31	24	25	15	17
OTHER FEMALE	1	1	0	0	1	3	5	12	12	14	10	7	12	11	21
TOTAL	14	16	21	35	96	182	197	376	719	1101	1496	1709	1800	1651	2572
DIABETES MELLITUS (250)															
WHITE MALE	0	0	0	0	1	9	9	9	28	32	44	57	79	64	93
WHITE FEMALE	0	0	0	0	0	2	4	8	11	19	39	55	75	71	218
OTHER MALE	0	0	0	0	1	2	0	0	0	0	4	0	2	1	3
OTHER FEMALE	0	0	0	0	0	1	0	0	2	2	1	0	1	3	4
TOTAL	0	0	0	0	2	14	13	17	41	53	88	112	158	129	318
HEART DISEASES (402, 414, 390-398, 410-429)															
WHITE MALE	4	0	2	7	21	105	164	298	522	828	1165	1402	1525	1470	2900
WHITE FEMALE	0	0	2	1	16	22	35	69	155	253	479	738	1115	1423	5400
OTHER MALE	0	0	0	1	0	3	8	12	17	27	25	38	23	31	48
OTHER FEMALE	2	0	0	1	0	7	4	8	12	9	23	19	20	28	63
TOTAL	14	0	4	10	37	137	201	387	706	1117	1682	2197	2684	2952	5411
CEREBROVASCULAR DISEASE (430-438)															
WHITE MALE	0	4	3	5	6	13	12	23	40	54	105	173	231	278	723
WHITE FEMALE	1	1	1	1	4	17	14	22	32	58	90	137	240	412	1615
OTHER MALE	1	0	0	0	0	4	3	2	3	4	3	12	1	6	20
OTHER FEMALE	0	1	0	0	1	1	1	2	2	2	4	3	7	10	21
TOTAL	436	6	4	6	11	36	30	49	77	118	202	325	481	705	2379
ARTHRITIS (440)															
WHITE MALE	0	0	0	0	0	0	0	0	2	0	7	13	24	37	164
WHITE FEMALE	0	0	0	0	0	0	0	1	0	0	4	11	16	50	342
OTHER MALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
OTHER FEMALE	0	0	0	0	0	0	0	0	0	1	0	0	0	0	6
TOTAL	681	0	0	0	0	0	0	1	2	1	11	24	40	87	616
INFLUENZA & PNEUMON- IA (470-474, 480-486)															
WHITE MALE	12	1	1	3	6	6	11	12	21	32	62	76	127	136	501
WHITE FEMALE	11	2	0	3	5	5	4	14	15	28	52	53	73	142	714
OTHER MALE	4	0	0	0	2	5	4	0	2	4	8	5	5	5	7
OTHER FEMALE	30	2	0	0	0	0	0	2	1	0	1	3	1	5	15
TOTAL	2209	3	1	6	13	16	19	28	39	64	123	137	205	287	1237

BRONCHITIS, ASTHMA,
EMPHYSEMA (490-493)

329	1	0	0	1	0	1	2	1	0	14	22	20	40	60	66	61
151	0	0	0	0	0	1	1	0	3	3	11	15	20	34	26	30
2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
4	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0
486	1	0	0	1	0	2	4	1	8	16	36	42	66	94	93	120

CIRRHOSIS OF LIVER
(571)

666	0	0	0	0	0	7	30	20	67	79	69	93	88	40	28	17
316	1	0	0	0	0	3	14	17	33	40	41	57	30	28	24	19
28	0	0	0	0	0	0	7	3	4	6	2	2	3	1	0	0
13	0	0	0	0	0	1	0	1	1	2	2	0	2	3	1	0
922	1	0	0	1	0	11	67	47	95	136	134	162	12	78	63	36

MOTOR VEHICLE
ACCIDENTS (810-823)

691	10	10	21	105	267	84	22	22	14	17	19	22	12	16	11	12
237	7	10	13	47	65	20	12	12	7	4	8	13	10	10	13	8
21	1	0	1	4	3	6	2	2	0	2	1	0	2	0	0	0
6	0	1	0	0	2	0	1	1	0	0	1	0	0	0	0	1
956	18	21	36	216	317	109	37	37	21	23	29	35	24	26	24	21

SUICIDES (960-969)
HOMICIDES (960-969)

477	1	1	6	26	162	88	20	20	33	23	33	26	18	19	11	20
166	1	1	1	8	68	32	9	9	16	16	11	6	6	6	10	6
64	1	0	0	2	24	10	7	7	4	1	2	1	1	0	0	1
13	0	0	0	1	4	1	1	1	2	0	1	1	0	0	0	1
730	3	2	6	37	230	131	37	37	64	39	47	34	24	26	21	30

ALL OTHER ACCIDENTS
(800-807-820-949)

660	20	16	16	60	97	70	22	22	22	30	37	32	29	30	37	143
600	9	6	10	12	10	14	6	6	13	16	16	16	31	24	62	258
30	1	2	3	4	12	3	2	2	1	1	2	2	1	1	2	2
17	2	0	1	1	3	2	0	0	0	1	1	1	1	0	2	2
1213	33	23	30	67	128	89	29	29	36	47	66	61	62	66	103	406

ALL MASSACHUSETTS
RESIDENT DEATHS

26124	440	63	76	308	695	673	411	411	717	1246	1893	2684	3280	3616	3461	6677
24926	337	41	46	167	246	278	264	264	466	736	1083	1628	2112	2739	3626	11324
866	60	4	7	16	61	68	37	37	43	64	79	86	93	72	67	129
624	63	7	3	6	16	20	14	14	36	38	48	49	42	62	77	160
52544	896	106	131	437	1010	929	716	716	1261	2061	3103	4447	6627	6479	7123	18290

*NOTE: TOTALS ARE GREATER THAN THE SUM OF THE PARTS DUE TO INCLUSION OF PERSONS OF UNKNOWN RACE, SEX, AND/OR AGE

TABLE 19B
MORTALITY RATES (PER 100,000 POPULATION) FOR SELECTED CAUSES OF DEATH
BY SEX, RACE AND AGE-MASSACHUSETTS RESIDENTS

CAUSE OF DEATH	TOTAL	0-4	5-9	10-14	15-19	20-29	30-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+
MALIGNANT NEOPLASMS																
(140-209)																
WHITE MALE	230.7	3.1	2.7	3.7	7.3	14.3	29.8	48.3	95.5	227.9	427.1	730.6	1101.5	1523.1	1799.9	2695.3
WHITE FEMALE	197.6	2.3	3.2	3.5	6.4	9.2	32.0	69.4	114.3	193.6	327.5	470.3	624.0	726.9	1016.8	1626.2
OTHER MALE	183.1	0.0	0.0	17.5	10.3	11.6	32.3	58.1	288.0	512.7	908.4	1463.0	1359.0	1736.1	1602.6	1537.1
OTHER FEMALE	99.0	7.9	7.7	0.0	0.0	4.9	21.1	81.5	226.7	287.4	420.7	366.7	301.2	632.6	841.6	1388.9
TOTAL	210.7	3.0	3.0	3.8	6.8	11.6	30.7	59.5	109.8	220.4	379.5	691.8	823.7	1037.3	1304.9	1959.3
DIABETES MELLITUS																
(250)																
WHITE MALE	15.8	0.0	0.0	0.0	0.0	0.3	3.2	5.8	5.7	18.6	24.2	39.6	66.7	119.6	116.8	220.5
WHITE FEMALE	17.6	0.0	0.0	0.0	0.0	0.0	0.7	2.4	4.6	6.2	12.5	28.5	46.6	73.0	91.0	200.0
OTHER MALE	12.9	0.0	0.0	0.0	0.0	5.8	16.1	0.0	0.0	0.0	0.0	108.8	0.0	138.9	106.8	271.2
OTHER FEMALE	12.6	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	47.9	60.1	36.7	0.0	52.7	229.6	264.6
TOTAL	16.6	0.0	0.0	0.0	0.0	0.2	2.4	3.9	6.0	12.6	18.3	34.8	54.0	91.1	102.0	247.2
HEART DISEASES (402-																
404, 390-398, 410-429)																
WHITE MALE	396.9	1.8	0.0	0.7	2.9	5.5	37.8	99.1	187.2	345.8	625.9	1040.5	1641.1	2310.3	3180.2	6874.6
WHITE FEMALE	341.9	3.7	0.0	0.8	0.4	3.9	7.7	21.3	39.8	67.5	166.7	349.8	625.6	1070.7	1890.5	6440.5
OTHER MALE	232.9	0.0	0.0	0.0	10.3	0.0	24.2	155.0	246.9	435.8	981.1	1179.8	2151.8	1697.2	3312.0	4340.0
OTHER FEMALE	176.5	15.9	0.0	0.0	9.8	0.0	49.2	65.2	151.1	287.4	270.4	843.4	817.6	1054.3	2142.3	4166.7
TOTAL	362.1	3.0	0.0	0.7	1.9	4.4	23.1	60.8	113.0	216.4	385.0	665.4	1058.9	1546.7	2379.7	6538.0
CEREBROVASCULAR																
DISEASE (430-438)																
WHITE MALE	64.1	2.6	1.5	1.1	2.0	1.6	4.7	7.7	14.4	26.5	40.8	94.6	202.5	362.8	601.4	1713.9
WHITE FEMALE	92.5	0.5	0.4	0.4	0.4	1.0	5.9	8.5	12.7	18.1	38.2	65.7	116.1	230.5	527.8	1926.2
OTHER MALE	57.7	8.0	0.0	0.0	0.0	0.0	32.3	58.1	41.1	76.9	145.3	141.6	679.5	69.4	534.2	1808.3
OTHER FEMALE	49.5	0.0	7.7	0.0	0.0	4.9	7.0	16.3	37.8	47.9	60.1	146.7	129.1	369.0	765.1	1368.9
TOTAL	78.0	1.7	1.1	0.7	1.2	1.3	6.9	9.1	14.3	23.6	40.7	79.9	156.6	277.2	657.2	1849.2
ARTERIOSCLEROSIS																
(440)																
WHITE MALE	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	6.3	15.2	36.3	80.0	388.8
WHITE FEMALE	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	9.3	16.4	64.1	407.9
OTHER MALE	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	351.7
OTHER FEMALE	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	330.7
TOTAL	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.3	4.4	11.6	23.1	68.8	400.3
INFLUENZA & PNEUMON-																
IA (470-474, 480-486)																
WHITE MALE	38.5	5.3	0.4	0.4	1.2	1.6	2.2	7.1	7.5	13.9	24.2	55.9	89.0	192.3	292.1	1187.7
WHITE FEMALE	39.2	5.1	0.8	0.0	1.2	1.2	1.7	2.4	8.1	0.5	10.4	38.0	44.9	70.1	181.9	861.6
OTHER MALE	60.8	32.0	0.0	0.0	0.0	11.6	40.3	77.5	0.0	51.3	145.3	377.5	203.1	347.2	534.2	632.9
OTHER FEMALE	27.0	15.9	0.0	0.0	0.0	0.0	0.0	0.0	37.8	23.9	0.0	36.7	129.1	52.7	302.6	992.1
TOTAL	38.8	6.2	0.6	0.2	1.2	1.6	2.7	5.7	8.2	12.0	22.1	48.7	66.0	110.7	226.8	961.5

HIGHAM	46	29	13	4	4	7	1	1	4	1	4	3	0	0	1	20	137
HINGS DALE	9	1	2	0	0	0	0	1	0	0	0	0	0	0	0	0	13
HOLBROOK	39	18	8	6	2	3	0	1	1	1	3	4	1	1	0	9	96
HOLDEN	35	27	9	0	3	5	1	3	2	2	3	2	0	0	0	19	111
HOLLAND	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5
HOLLISTON	26	9	3	2	3	3	2	0	1	0	1	2	0	0	0	6	58
HOLYOKE	246	130	57	9	19	21	4	24	11	3	11	8	1	3	4	79	630
HOPEDALE	26	11	1	1	1	1	0	1	1	1	1	0	0	0	0	6	80
HOPKINTON	23	12	4	3	1	2	0	1	0	0	0	0	0	0	0	5	61
HUBBARDSTON	7	6	0	1	1	0	0	1	0	0	0	0	0	0	0	1	16
HUDSON	48	28	15	4	4	8	0	0	0	1	2	3	1	1	0	12	126
HULL	25	24	6	1	2	1	0	0	2	0	0	0	0	0	0	13	76
HUNTINGTON	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
HITCH	40	32	8	1	3	8	0	1	1	2	1	0	0	0	2	17	116
KINGSTON	22	9	5	1	3	4	1	1	1	1	4	0	0	1	0	3	56
LAKEVILLE	20	12	3	1	1	1	2	1	1	0	4	0	0	0	0	7	52
LANCASTER	16	8	7	0	0	2	3	3	6	0	0	1	0	0	1	7	54
LANCASHIRE	5	4	3	5	0	0	1	1	0	0	0	0	0	0	0	1	20
LANCASHIRE	326	170	66	12	22	22	3	17	14	3	21	7	4	4	2	92	785
LIFE	13	11	3	1	1	7	0	0	1	0	1	1	0	0	0	4	43
LITCHFIELD	27	19	3	2	1	5	0	0	1	3	0	0	0	0	0	3	64
LITCHFIELD	20	11	3	2	1	2	1	1	3	0	0	0	0	0	0	8	52
LIVINGTON	102	64	20	7	4	11	4	0	2	6	9	4	0	1	1	34	269
LIVINGTON	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	4
LIVINGTON	91	59	17	6	6	15	0	4	4	4	1	5	0	0	0	30	242
LIVINGTON	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
LIVINGTON	0	11	3	1	1	0	0	0	1	0	1	1	0	0	0	1	28
LITTLETON	18	18	1	0	1	0	1	1	2	0	0	0	0	0	0	2	44
LITTLETON	53	32	22	1	3	7	0	2	3	1	2	1	1	1	1	10	140
LITTLETON	436	226	85	9	13	39	11	20	26	15	10	12	9	3	5	128	1055
LUDLOW	51	26	5	6	1	6	0	2	3	3	1	2	0	0	0	12	117
LUDLOW	23	13	3	2	3	1	1	1	0	1	0	1	1	0	0	3	53
LYNN	421	187	90	14	23	35	9	13	5	8	26	10	4	5	0	128	977
LYNNFIELD	28	22	6	3	2	4	0	2	2	0	0	0	0	0	0	12	81
MALDEN	262	155	41	9	8	23	3	9	7	6	12	7	5	4	1	70	621
MANCHESTER	19	10	1	3	2	3	0	2	1	1	0	0	0	0	0	5	47
MANCHESTER	41	22	6	5	2	2	0	2	0	1	0	0	1	0	0	10	92
MANSFIELD	73	50	27	1	7	6	0	7	3	2	3	0	0	0	1	26	206
MARTON	16	8	2	1	2	1	0	1	0	0	0	0	0	0	0	3	34
MARTON	84	64	26	7	2	7	2	10	5	2	4	1	2	0	0	30	246
MARTON	51	39	16	5	1	5	0	3	0	2	3	2	0	0	0	16	143
MARTON	12	11	1	0	2	1	0	1	0	1	0	1	0	0	0	0	30
MARTON	17	14	1	1	0	1	0	2	0	1	1	0	0	0	0	4	46
MARTON	37	25	6	2	2	3	0	1	0	0	2	1	0	0	0	15	94
MARTON	23	16	3	2	0	1	2	1	2	0	1	1	0	0	0	5	60
MARTON	243	174	47	5	8	23	5	7	4	5	5	7	1	0	1	75	610
MARTON	37	13	1	1	4	4	0	2	0	0	1	1	0	0	0	4	68
MARTON	148	68	32	7	5	13	0	1	2	0	3	4	2	1	0	45	331
MARTON	5	4	2	4	0	1	0	0	1	0	1	0	0	0	0	5	24
MARTON	12	4	4	0	0	2	0	0	1	1	3	1	1	0	0	10	36

	TOTAL ALL CAUSES	ALL OTHER CAUSES	PEPTIC ULCER (531-533)	HOMICIDE (960-969)	CONGENITAL ANOMALIES (740-759)	SUICIDE (950-959)	CIRRHOSIS OF LIVER (571)	BRONCHITIS, EMPHYSEMA, ASTHMA (490-493)	ARTERIO-SCLEROSIS (440)	DIABETES MELLITUS (250)	PERINATAL MORT. (760-772, 774-778)	INFLUENZA AND PNEUMONIA (470-474, 480-486)	OTHER ACCIDENTS (800-807, 825-949)	MOTOR VEHICLE ACCIDENTS (810-823)	CEREBROVASCULAR DISEASE (430-438)	MALIGNANT NEOPLASMS (140-209)	HEART DISEASE (390-398, 402, 404, 410-429)
WETQUEV	350	44	0	0	2	3	7	3	12	7	4	12	0	0	20	78	142
WIDLEBROUGH	143	17	0	0	1	0	2	1	1	5	1	2	6	2	13	30	62
WIDLEFIELD	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
WIDLETON	22	1	0	0	0	0	0	0	0	0	0	13	7	0	2	0	10
WILFORD	100	10	0	0	3	3	3	1	0	3	1	4	4	4	6	40	63
WILLBURY	101	10	0	0	2	0	0	1	1	0	0	1	2	3	2	20	42
WILLIS	41	3	0	0	1	0	2	1	0	0	0	1	0	1	1	11	15
WIL-VILLE	10	2	0	0	0	1	0	0	0	1	0	0	0	1	1	0	4
WILTON	209	34	0	2	1	2	0	2	0	4	2	11	3	3	20	62	108
WINDRE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINDY	61	6	0	0	0	0	0	1	0	0	0	4	0	4	0	16	23
WINDY	114	11	0	0	0	2	2	0	2	2	0	3	3	1	15	29	62
WINDY	5	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
WINDY	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2
WINDY	2	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
WINDY	42	5	0	0	0	0	0	0	0	1	1	1	1	4	2	13	16
WINDY	55	0	0	0	0	2	2	2	0	3	3	13	3	5	5	18	21
WINDY	239	34	2	1	2	2	3	2	0	4	0	9	4	1	15	49	83
WINDY	212	23	1	0	2	2	4	1	0	5	0	0	0	0	0	0	0
WINDY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WINDY	1181	115	5	7	6	0	20	7	14	27	0	37	17	21	115	280	494
WINDY	7	1	0	0	0	0	0	1	0	0	0	0	0	0	1	1	3
WINDY	0	2	0	0	0	0	0	0	0	0	0	2	0	0	2	1	1
WINDY	6	1	0	0	0	0	0	0	0	1	0	0	0	1	3	0	3
WINDY	28	3	0	0	0	1	0	2	0	1	0	2	1	1	5	3	0
WINDY	106	19	0	0	1	2	3	7	3	13	6	42	20	5	14	33	82
WINDY	705	23	2	0	1	0	8	7	0	0	1	7	0	0	50	190	317
WINDY	30	3	0	0	0	0	1	0	0	0	0	1	1	0	0	11	13
WINDY	223	23	2	0	1	0	7	1	3	5	2	3	7	1	23	53	85
WINDY	162	14	3	1	0	0	6	1	1	1	0	7	6	1	16	42	64
WINDY	172	12	1	1	0	2	3	4	0	2	0	0	6	2	10	34	82
WINDY	33	4	0	0	1	0	1	0	1	0	0	1	2	0	3	6	14
WINDY	07	3	0	0	2	1	2	0	2	1	2	3	3	1	5	16	24
WINDY	317	33	0	0	0	2	3	0	11	10	2	20	5	3	44	74	110
WINDY	59	6	0	0	1	3	1	0	0	0	1	3	2	2	5	16	12
WINDY	131	15	1	0	1	1	2	0	2	2	2	4	3	4	9	23	62
WINDY	20	4	0	0	0	0	0	0	1	1	1	1	0	0	3	4	13
WINDY	77	6	0	0	1	0	0	1	1	1	0	7	1	1	5	23	30
WINDY	48	5	0	0	0	0	2	0	0	1	0	2	1	3	4	11	19
WINDY	286	53	0	0	4	7	3	6	1	4	1	12	7	7	29	60	92

[illegible]

	TOTAL ALL CAUSES	ALL OTHER CAUSES	PEPTIC ULCER (531-533)	HOMICIDE (960-969)	CONGENITAL ANOMALIES (740-759)	SUICIDE (950-959)	CIRRHOSIS OF LIVER (571)	BRONCHITIS, EM- PHYSEMA, ASTHMA (490-493)	ARTERIO- SCLEROSIS (440)	DIABETES MELLITUS (250)	PERINATAL MORT. (760-772, 774- 778)	INFLUENZA AND PNEUMONIA (470- 474, 480-486)	OTHER ACCIDENTS (800-807, 825- 949)	MOTOR VEHICLE ACCIDENTS (810-823)	CEREBROVASCULAR DISEASE (430-438)	MALIGNANT NEO- PLASMS (140-209)	HEART DISEASE (390-398, 402, 404, 410-429)
SHERBURY	166	15	0	0	1	2	0	2	11	2	4	0	4	5	4	31	59
SHUTESBURY	7	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	2
SOMERSET	168	19	0	0	0	0	0	1	0	0	1	1	1	2	10	36	65
SOMERVILLE	740	91	4	0	3	14	17	5	0	0	4	35	11	6	47	104	309
SOUTH HADLEY	130	15	0	0	1	0	0	2	3	0	0	7	5	2	6	33	52
SOUTHAMPTON	16	1	0	0	0	0	1	1	0	0	1	1	0	0	2	5	6
SOUTHBOROUGH	32	0	0	0	0	0	1	1	0	0	1	1	3	2	4	6	16
SOUTHBURIDGE	210	25	0	0	1	3	0	1	2	3	1	7	3	3	21	41	93
SOUTHWICK	42	0	0	0	0	1	1	0	1	1	0	4	2	0	3	12	12
SPENCER	50	12	0	0	0	0	1	1	2	0	0	4	3	4	4	14	33
SPRINGFIELD	1039	218	3	10	9	10	36	16	15	36	17	64	61	25	201	306	566
STERLING	32	7	0	0	0	0	0	0	1	0	0	3	0	0	4	7	9
STOCKBRIDGE	32	4	0	0	0	0	0	1	1	0	0	2	2	0	2	5	15
STONHAM	161	20	3	1	0	2	4	2	3	3	0	9	6	0	13	61	61
STOUGHTON	202	25	0	0	1	1	0	4	1	2	1	12	5	3	11	53	52
STON	27	3	0	0	0	0	0	0	0	0	1	1	0	1	1	11	7
STURBOROUGH	22	2	0	0	0	0	0	0	0	1	0	2	1	1	2	4	10
SUDBURY	58	10	0	0	1	1	0	0	0	0	0	3	1	3	1	14	22
SUNDERLAND	17	1	0	0	0	0	0	0	0	0	0	4	1	0	1	4	6
SUTTON	32	4	0	0	0	2	0	1	0	2	1	0	1	1	2	9	11
SWAMPSCOTT	132	18	0	0	0	0	1	1	4	1	0	5	1	2	14	37	48
SPANSEA	118	10	0	0	0	0	1	1	2	3	0	4	3	3	15	34	42
TAUNTON	419	49	1	3	2	11	6	5	5	13	3	13	12	13	43	91	157
TEMPLETON	43	4	0	0	1	0	0	1	0	2	0	2	1	3	5	9	15
TIKESBURY	141	14	0	1	0	1	3	0	4	1	0	5	4	0	13	30	60
TIKESBURY	34	1	0	0	0	0	0	0	0	0	0	1	2	0	3	9	14
TOLLAND	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TOTSFIELD	34	2	0	3	2	1	0	0	0	1	0	0	1	1	3	7	15
TOWNSEND	28	3	0	0	2	0	0	1	0	0	0	2	0	2	3	4	6
TUFTS	17	2	0	0	0	2	0	0	0	0	0	1	1	0	1	1	9
TYNGSBOROUGH	37	4	0	0	0	0	0	1	0	2	1	3	2	1	2	9	12
TYNGHAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UPTON	20	6	0	0	0	0	1	0	0	0	0	0	0	0	3	6	10
WARRIDGE	77	5	0	0	0	1	1	2	1	0	0	1	3	2	9	19	33
WARTFIELD	195	25	0	0	0	2	4	2	1	0	1	12	4	4	15	39	64
WATTS	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
WALPOLE	105	17	0	0	1	3	3	0	3	3	1	3	5	3	6	25	30
WALTHAM	478	63	1	3	2	11	11	7	2	11	2	25	13	4	40	111	181
WARR	50	8	0	0	0	0	1	2	1	0	2	1	1	7	8	22	35
WARTHAM	181	24	2	1	1	0	1	3	2	4	0	7	3	0	15	45	67

[illegible]

TABLE 20B
MASSACHUSETTS
10 SELECTED CAUSES OF DEATH BY COUNTY OF RESIDENCE

	HEART DISEASE (390-398, 402, 404, 410-429)	MALIGNANT NEO- PLASMS (140-209)	CEREBROVASCULAR DISEASE (430-438)	MOTOR VEHICLE ACCIDENTS (810-821)	OTHER ACCIDENTS (800-807, 825- 949)	INFLUENZA AND PNEUMONIA (470- 474, 480-486)	PERINATAL MORT. (760-772, 774- 778)	DIABETES MELLITUS (250)	ARTERIO- SCLEROSIS (440)	BRONCHITIS, EM- PHYSEMA, ASTHMA (490-493)	CIRRHOSIS OF LIVER (571)	SUICIDE (950-959)	CONGENITAL ANOMALIES (740-759)	HOMICIDE (960-969)	PEPTIC ULCER (531-533)	ALL OTHER CAUSES	TOTAL ALL CAUSES
BARNSTABLE	609	379	171	33	39	40	0	34	44	10	27	19	7	0	2	181	1060
BERKSHIRE	632	342	146	41	39	64	13	34	30	11	22	16	7	1	7	167	1478
BRIISTOL	1903	1027	442	82	77	134	26	91	40	33	67	43	33	14	14	467	4408
BURLS	37	21	14	1	4	3	0	1	12	1	3	1	0	2	1	13	114
ESSEX	2461	1420	669	103	169	236	44	113	104	66	112	61	30	19	14	793	6286
FRANKLIN	248	138	66	12	10	30	6	12	11	4	13	10	1	4	1	76	650
HAMPDEN	1670	996	440	73	128	161	32	92	49	36	42	39	17	20	12	649	4286
HAMPSHIRE	363	241	93	26	24	64	9	26	19	12	6	12	2	2	3	114	997
MIDDLESEX	4379	2766	849	202	230	478	77	198	113	109	193	119	68	34	39	1409	11263
NANTUCKET	21	8	6	4	1	1	1	0	0	2	2	2	0	0	0	8	66
NORFOLK	2028	1262	413	92	111	229	36	76	66	68	81	67	34	26	16	694	6267
PLYMOUTH	1230	689	274	80	84	102	22	61	30	29	71	28	16	6	14	373	3112
SUFFOLK	2767	1441	463	68	160	437	78	124	63	68	160	67	24	70	26	1047	7036
WORCESTER	2446	1266	490	136	129	237	49	91	92	60	93	62	27	12	12	746	5947
STATE TOTAL	26640	14986	4436	966	1213	2209	400	946	601	486	922	616	266	214	160	6620	62644

TABLE 20C
MASSACHUSETTS
15 SELECTED CAUSES OF DEATH BY ISA OF RESIDENCE

HEALTH SERVICE AREAS	HEART DISEASE (390-398, 402, 404, 410-429)	MALIGNANT NEO- PLASMS(140-209)	CEREBROVASCULAR DISEASE(430-438)	MOTOR VEHICLE ACCIDENTS (810-823)	OTHER ACCIDENTS (800-807, 825- 949)	INFLUENZA AND PNEUMONIA (470- 474, 480-486)	PERINATAL MORT. (760-772, 774- 778)	DIABETES MELLITUS (250)	ARTERIO- SCLEROSIS (440)	BRONCHITIS, EM- PHYSEMA, ASTHMA (490-493)	CIRRHOSIS OF LIVER (571)	SUICIDE (950-959)	CONGENITAL ANOMALIES (740-759)	HOMICIDE (960-969)	PEPTIC ULCER (531-533)	ALL OTHER CAUSES	TOTAL ALL CAUSES
I WESTERN MASS	2755	1742	761	160	213	314	59	164	112	64	125	77	28	27	23	930	7554
II CENTRAL MASS	2498	1300	495	142	130	247	54	99	94	60	95	67	32	14	13	770	6110
III MERRIMACK	1770	964	366	72	94	160	38	76	102	45	82	45	27	15	16	535	4407
IV METRO CENTRAL	3025	1611	508	70	164	469	82	136	70	65	155	62	27	72	26	1149	7691
IV METRO NORTHWEST	1367	945	263	67	89	158	26	73	34	34	65	39	14	12	13	471	3670
IV METRO WEST	1398	901	279	73	79	169	26	66	24	36	55	40	21	8	13	463	3651
IV METRO SOUTHWEST	411	283	94	35	28	43	9	15	14	16	25	22	10	5	3	173	1186
IV METRO SOUTH	1106	647	257	45	74	118	15	39	32	27	46	22	14	15	12	351	2820
V SOUTH SHORE	3750	2107	876	198	196	289	57	176	135	86	165	91	55	28	28	1014	9251
VI NORTH SHORE	2460	1485	537	93	146	242	34	101	64	53	109	51	28	18	13	770	6204
TOTALS	20540	11985	4436	955	1213	2209	400	945	681	486	922	516	256	214	160	6626	52544

TABLE 21

MASSACHUSETTS
SELECTED TYPES OF ACCIDENTAL DEATHS BY SEX AND AGE OCCURRING IN MASSACHUSETTS

TYPE OF ACCIDENT	TOTAL	UNDER 1	1-4	5-9	10-14	15-19	20-29	30-39	AGE					70-74	75-79	80+
									40-44	45-49	50-54	55-59	60-64			
AUTO OCCUPANT																
MALE	433	1	2	2	4	118	174	66	10	7	12	11	14	4	6	0
FEMALE	167	0	3	1	3	34	44	20	11	6	2	4	6	8	4	3
TOTAL	600	1	6	3	7	152	218	76	21	13	14	15	20	12	9	3
MOTORCYCLIST																
MALE	85	0	0	0	3	26	41	11	2	1	0	0	0	1	1	0
FEMALE	7	0	0	1	0	0	6	1	0	0	0	0	0	0	0	0
TOTAL	92	0	0	1	3	26	46	12	2	1	0	0	0	1	1	0
PEDAL CYCLIST																
MALE	19	0	0	4	7	3	0	2	0	0	0	0	0	1	1	0
FEMALE	6	0	0	2	2	0	1	0	0	0	0	0	0	0	0	0
TOTAL	24	0	0	6	9	3	1	2	0	0	0	0	0	1	1	0
PEDESTRIAN																
MALE	128	0	0	4	8	17	22	10	8	4	4	7	8	6	7	3
FEMALE	73	0	4	6	8	9	7	4	3	1	2	6	6	4	7	6
TOTAL	201	0	10	10	16	26	29	14	11	5	6	12	13	11	12	13
OTHER TRANSPORTATION																
RAIL-WATER																
MALE	50	0	1	0	2	6	11	17	2	4	2	2	1	1	0	1
FEMALE	6	0	0	1	0	1	1	1	0	0	0	0	0	0	0	1
TOTAL	56	0	1	1	2	6	12	18	2	4	2	2	1	1	0	2
POISONING																
MALE	64	0	0	0	2	6	29	12	1	1	2	3	3	1	1	1
FEMALE	40	0	0	0	1	4	6	6	2	4	6	1	2	1	3	4
TOTAL	104	0	0	0	3	10	35	17	3	5	7	4	5	2	4	5

INFANT AND NEONATAL MORTALITY

In 1978 the historical trend of decreasing rates of infant and neonatal mortality in Massachusetts continued. The overall number of infant deaths (under 1 year old) decreased from 804 to 753 from 1977 to 1978. There were 552 neonatal deaths (under 28 days old) in 1978, a decrease of 109 deaths, while the number of deaths from 28 days to one year increased from 188 to 201. In 1978 the neonatal death rate decreased to 8.1% per 1,000 live births and the infant death rate decreased to 11.0% per 1,000 live births, both the lowest rates yet recorded in Massachusetts and both rates substantially lower than the U.S. figures.

The majority (56.1%) of neonatal deaths occurred in babies under one day old. Deaths to babies under one week old constituted 85.3% of all neonatal deaths. The 552 neonatal deaths represented 73.3% of the total 753 infant deaths.

This year, for the first time, data is presented on infant mortality by birthweight. Infant mortality is strongly related to birthweight. Full birthweight infants (2500-4500 grams) have an infant mortality rate of 1.8/1000 compared to 91.0/1000 for all low birthweight infants (under 2500 grams). Major improvement in infant mortality rates for infants weighing 1000-2500 grams at birth occurred over the last ten years.

TABLE 22
RESIDENT INFANT AND NEONATAL DEATHS 1969-1978

DEATHS UNDER 1 YEAR			DEATHS UNDER 28 DAYS	
YEAR	NUMBER	PER 1000 LIVE BIRTHS	NUMBER	PER 1000 LIVE BIRTHS
1969	1,699	18.3	1,353	14.6
1970	1,583	16.9	1,231	13.1
1971	1,462	16.8	1,130	13.0
1972	1,164	15.1	896	11.6
1973	1,104	15.2	861	11.9
1974	976	13.9	763	10.8
1975	903	13.2	678	9.9
1976	799	12.1	585	8.9
1977	806	11.8	616	9.1
1978	753	11.0	552	8.1

TABLE 23
INFANT AND NEONATAL DEATHS BY AGE, SEX AND COLOR

AGE	TOTAL			WHITE			NON-WHITE			OTHER AND UNKNOWN		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
LESS THAN 1 DAY	310	156	149	264	132	129	46	24	20	0	0	0
1 DAY	61	35	26	57	33	24	4	2	2	0	0	0
2 DAYS	33	18	15	29	16	13	4	2	2	0	0	0
3 DAYS	28	16	12	25	15	10	2	1	1	1	0	1
4 DAYS	14	7	7	11	6	5	3	1	2	0	0	0
5 DAYS	16	9	7	13	7	6	3	2	1	0	0	0
6 DAYS	9	5	4	8	4	4	1	1	0	0	0	0
LESS THAN 1 WEEK	471	246	220	407	213	191	63	33	28	1	0	1
7-13 DAYS	45	30	15	43	29	14	2	1	1	0	0	0
14-27 DAYS	36	24	12	32	21	11	4	3	1	0	0	0
LESS THAN 28 DAYS	552	300	247	482	263	216	69	37	30	1	0	1
1 MONTH	64	37	27	51	31	20	12	5	7	1	1	0
2 MONTHS	33	16	17	29	16	13	3	0	3	1	0	1
3 MONTHS	25	17	8	22	14	8	3	3	0	0	0	0
4 MONTHS	14	9	5	12	8	4	2	1	1	0	0	0
5 MONTHS	16	10	6	11	7	4	5	3	2	0	0	0
6 MONTHS	7	4	3	5	3	2	2	1	1	0	0	0
7 MONTHS	8	5	3	8	5	3	0	0	0	0	0	0
8 MONTHS	7	5	2	7	5	2	0	0	0	0	0	0
9 MONTHS	8	3	5	7	3	4	1	0	1	0	0	0
10 MONTHS	10	6	4	9	5	4	1	1	0	0	0	0
11 MONTHS	9	7	2	8	7	1	1	0	1	0	0	0
TOTAL LESS THAN 1 YEAR	753	419	329	651	367	281	99	51	46	3	1	2

Totals reflect 5 neonatal deaths of unknown sex.

TABLE 24
NEONATAL MORTALITY BY BIRTHWEIGHT¹

	Under 2500 Grams			2500-4500 Grams			All Births		
	<u>Deaths</u>	<u>Births</u>	<u>Rate</u>	<u>Deaths</u>	<u>Births</u>	<u>Rate</u>	<u>Deaths</u>	<u>Births</u>	<u>Rate</u>
1969	1,030	7,322	140.7	305	87,752	3.5	1,397	96,326	14.5
1970	934	7,269	128.5	297	89,162	3.3	1,255	97,706	12.8
1971	880	6,394	137.6	245	82,893	3.0	1,138	90,501	12.6
1972	680	5,632	120.7	204	73,260	2.8	899	80,027	11.2
1973	658	5,370	122.5	202	68,694	2.9	872	75,137	11.6
1974	589	4,842	121.6	166	66,848	2.5	772	72,740	10.6
1975	526	4,841	108.7	123	64,651	1.9	661	70,502	9.4
1976	423	4,571	92.5	122	62,710	2.0	568	68,441	8.3
1977	456	4,541	100.4	124	64,589	1.1	604	70,374	8.6
1978	416	4,571	91.0	119	65,167	1.8	573	71,071	8.1

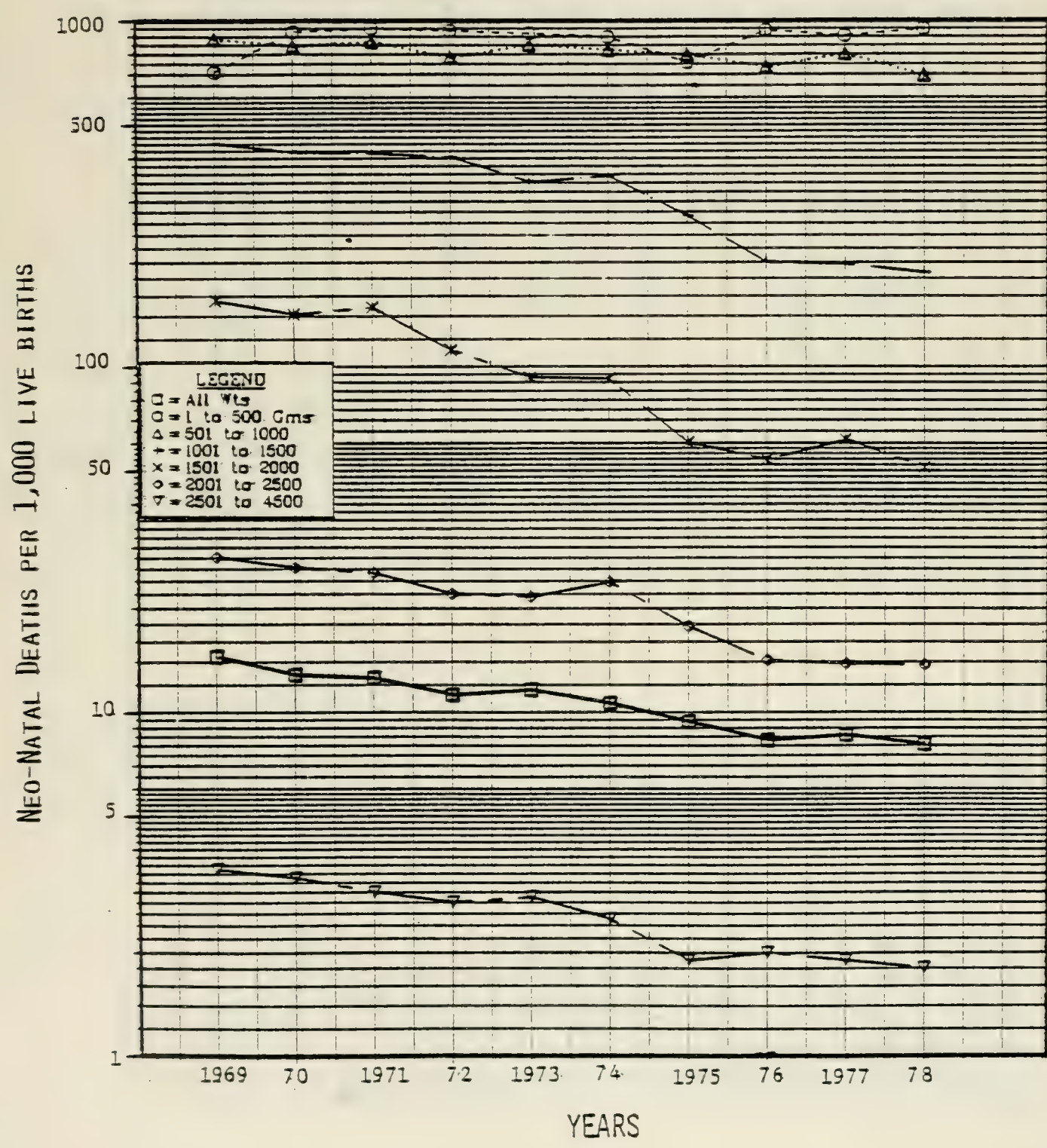
1. The figures used in this table can not be directly compared with other tables in this section. They are derived from those neonatal deaths where both birth and death certificate are available (and hence may exclude out-of-state births or deaths). Neonatal deaths include deaths occurring up to 28 days subsequent to birth and therefore include some deaths thru February 1st of the subsequent year. Births are based on Massachusetts occurrence births. These mortality trends are as comprehensive as it is possible to develop, based upon available vital events data.

FIGURE 3

MASSACHUSETTS NEO-NATAL MORTALITY

1969-1978

Grouped by Birthweight (gm)



ABORTIONS

The Department of Public Health is authorized to collect abortion statistics under the Massachusetts General Laws, Chapter 111, Section 25A. Sixty-four of the acute care hospitals in the State, seven licensed clinics, and fifteen physician's offices reported to the Department in 1978.

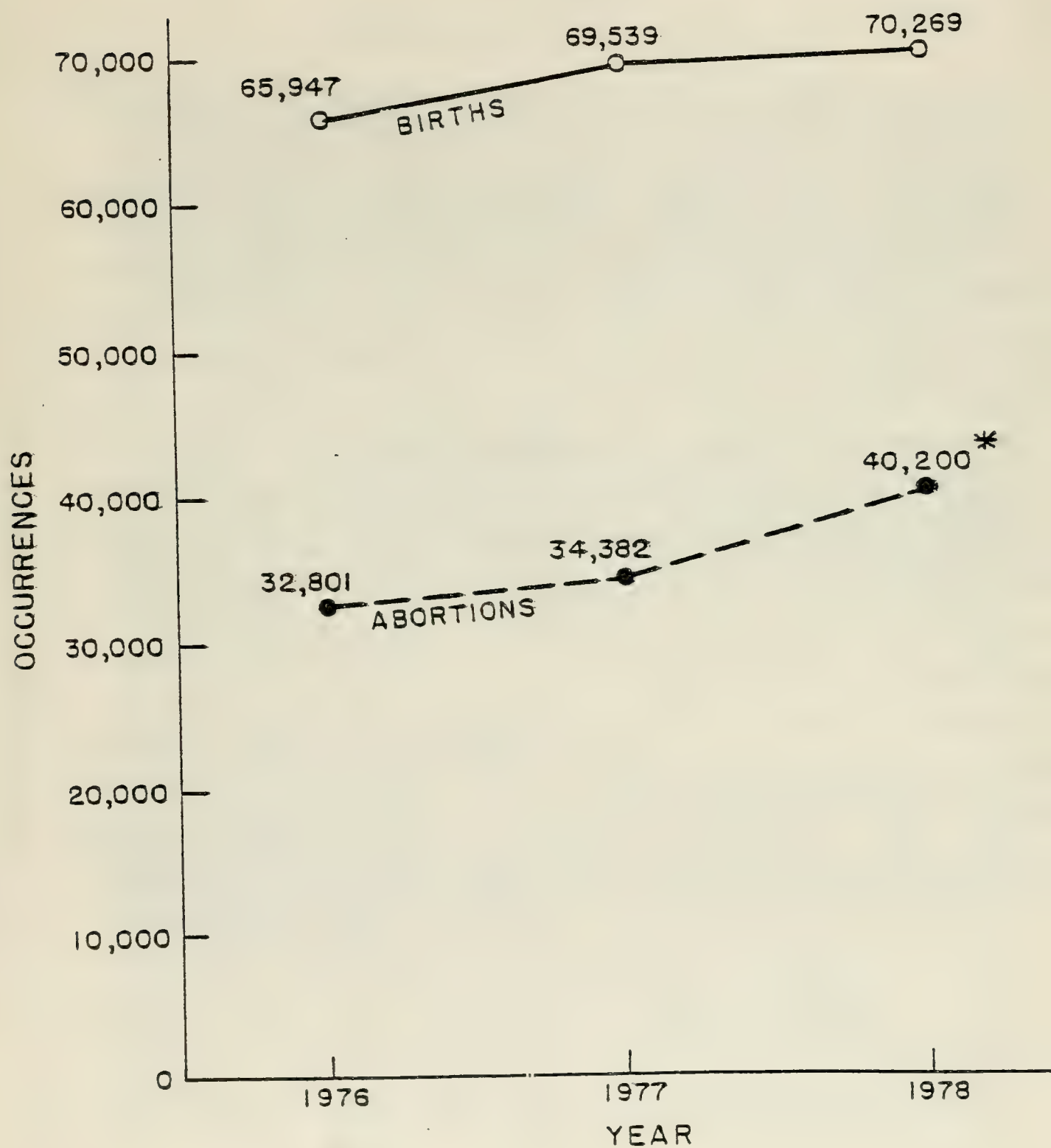
There were 40,200 induced abortions reported during 1978, an increase of 5,818 (16.9%) over the total of 34,382 in 1977. Half of the increase (2,941) was due to the inclusion of 12 additional physician's offices in the reporting system. The ratio of abortions to live births increased from 494 per 1,000 births in 1977 to 572 per 1,000 births in 1978; slightly more than one abortion for each two live births.

The majority (57.1%) of induced abortions were performed on women between the ages of 20 and 29. Women under the age of 20 accounted for 29.0% of all induced abortions. The ratio of abortions to births is highest for women under 20 and those 40 years of age and older, with both age groups having more abortions than births.

FIGURE 4

TOTAL ABORTIONS AND TOTAL BIRTHS OCCURRING IN MASSACHUSETTS

1976, 1977 and 1978



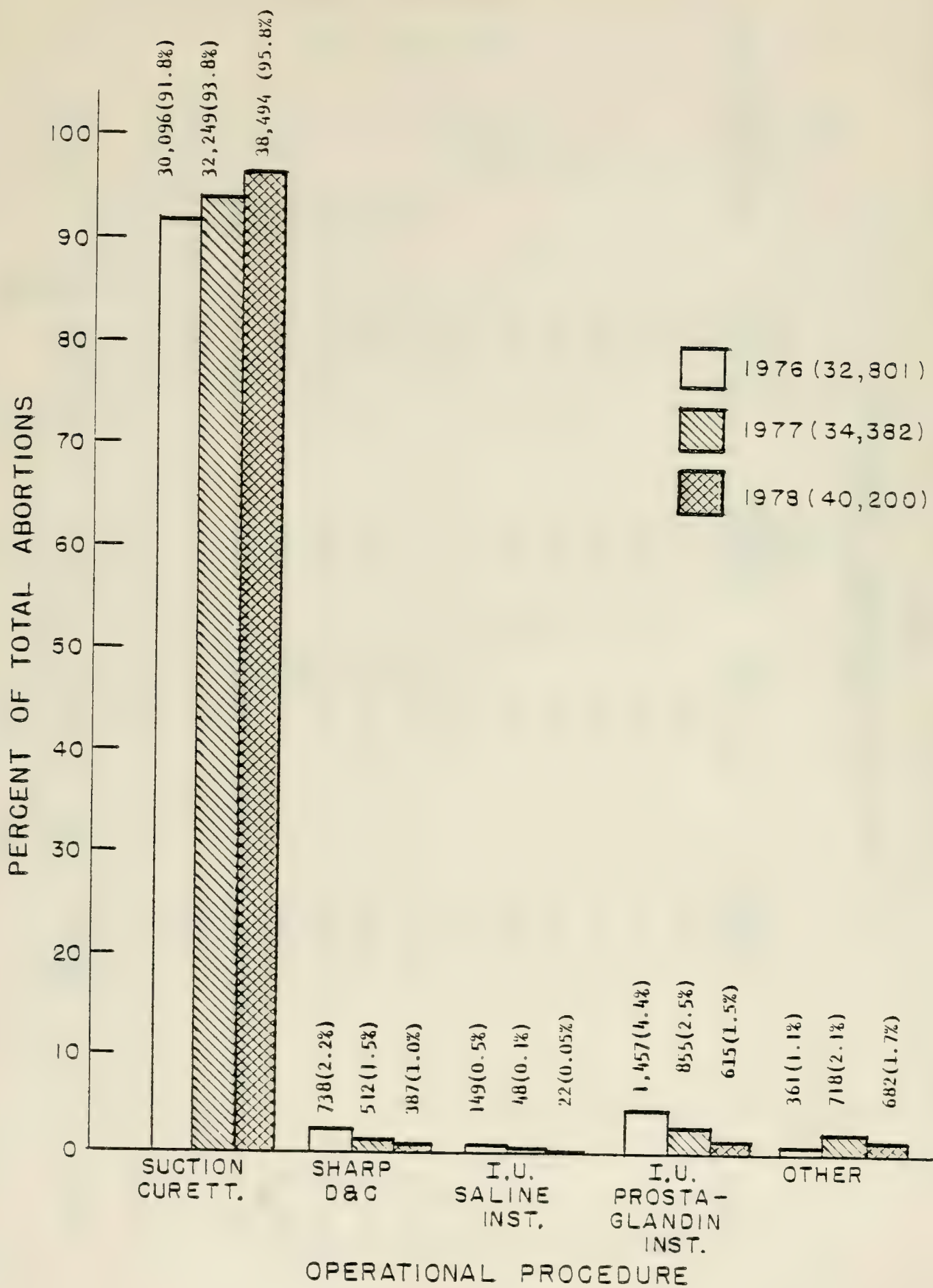
* 2941 abortions were due to the addition of 12 reporting facilities since 1977.

TABLE 25

AGE OF PATIENT (ABORTIONS) IN COMPARISON
TO AGE OF MOTHER (BIRTHS), 1978

AGE	# OF ABORTIONS 1978	% OF TOTAL ABORTIONS	1978 OCCURRENCE BIRTHS	% OF TOTAL OCCURRENCE BIRTHS	RATIO OF ABORTIONS/BIRTHS
Under 15	193	0.48	89	0.13	2.2
15	576	1.43	311	0.44	1.9
16	1,379	3.43	742	1.06	1.9
17	2,384	5.93	1,462	2.08	1.6
18	3,396	8.45	2,280	3.24	1.5
19	3,748	9.32	3,025	4.31	1.2
20-24	14,693	36.55	20,755	29.54	0.7
25-29	7,635	18.99	24,511	34.88	0.3
30-34	3,719	9.25	13,338	18.98	0.3
35-39	1,749	4.35	3,209	4.57	0.5
40-44	542	1.35	515	0.73	1.1
45 and +	46	0.11	27	0.04	1.7
Unknown	140	0.35	5	----	---
TOTAL	40,200	100.00	70,269	100.00	0.6

FIGURE 5 - ABORTIONS BY WEEKS OF GESTATION, 1976-1978



MARRIAGES AND DIVORCES

Marriages and divorces are reported by their occurrence in Massachusetts, not by the residence of the parties involved. Marriages and divorces, which involve Massachusetts residents but occur in other states, are not reported in state figures. There is no system of interstate information exchange for marriages and divorces, as there is for births and deaths.

There were 42,882 marriages performed in the Commonwealth in 1978, an increase of 935 over the 1977 figure. Of the brides, 77% had never been married before, 3% were widowed, and 20% were previously divorced. The previous marital status of grooms was similar. Seventeen percent of the brides and six percent of the grooms were under the age of twenty.

There were 16,156 divorces granted in Massachusetts in 1978. This represented 242 fewer divorces than in 1977 and reflects a decrease of 4.6% since 1976.

TABLE 26

MASSACHUSETTS MARRIAGES AND DIVORCES 1962-1978

<u>YEAR</u>	<u>MARRIAGES</u>	<u>DIVORCES</u>
1962	33,557	6,175
1963	35,971	5,950
1964	35,772	7,378
1965	38,281	7,858
1966	40,066	6,769
1967	41,347	8,382
1968	45,528	9,882
1969	47,309	10,654
1970	47,292	10,976
1971	47,535	12,881
1972	48,189	14,441
1973	46,640	14,540
1974	44,223	16,116
1975	42,103	16,581
1976	41,501	16,972
1977	41,947	16,492
1978	42,882	16,156

TABLE 27
MARRIAGES AND DIVORCES BY COUNTY

<u>COUNTY</u>	<u>MARRIAGES</u>	<u>DIVORCES</u>
BARNSTABLE	1344	459
BERKSHIRE	1255	495
BRISTOL	3800	1329
DUKES	124	40
ESSEX	4940	1790
FRANKLIN	481	260
HAMPDEN	3590	1340
HAMPSHIRE	926	399
MIDDLESEX	10063	3732
NANTUCKET	107	27
NORFOLK	4248	1381
PLYMOUTH	2993	1005
SUFFOLK	3967	1609
WORCESTER	5044	2294
TOTAL	42,882	16,156

TABLE 28
MARRIAGES BY AGE AND MARITAL STATUS
OF BRIDE AND GROOM

<u>BRIDE</u>				
<u>Ages</u>	<u>Single</u>	<u>Widowed</u>	<u>Divorced</u>	<u>Totals</u>
Under 20	7,122	2	39	7,163
20-29	23,804	104	3,416	27,324
30-39	1,866	178	3,283	5,327
40-49	246	248	1,142	1,636
50-59	116	371	411	898
60-69	63	276	77	416
70+	14	90	14	118
Total	33,231	1,269	8,382	42,882
<u>GROOM</u>				
Under 20	2,659	0	3	2,662
20-29	25,302	27	2,391	27,720
30-39	3,456	114	4,184	7,754
40-49	400	174	1,858	2,432
50-59	147	404	818	1,369
60-60	38	441	185	664
70+	6	240	35	281
Total	32,008	1,400	9,474	42,882

POPULATION

The population tables presented in this section are based on the federal census for decennial years (1960, 1970). For the inter-decile years (1965, 1975) the Commonwealth performs its own census. The U.S. Census Bureau also publishes a population estimate for the inter-decile years. The Commonwealth's figures are presented in the county population table for inter-decile years, while the Census Bureau estimates are presented for the 1975 population of towns and Health Service Areas.

It must be kept in mind that the state's definition of who is to be counted as a Massachusetts resident differs slightly from the federal definition. Generally, the state figures exclude students and military families residing in the Commonwealth. 1977 population estimates are not presented because detailed census estimates are not available on a yearly basis for political subdivisions of the state.

TABLE 29

MASSACHUSETTS

1970 POPULATION BY SEX AND AGE

	TOTAL	MALE	FEMALE
ALL AGES	5,689,170	2,719,398	2,969,772
UNDER 1	91,754	46,839	44,915
1 - 4	378,312	193,091	185,221
5 - 9	542,364	276,729	265,635
10 - 14	555,393	283,892	271,501
15 - 19	514,556	254,999	259,557
20 - 24	464,405	217,531	246,874
25 - 29	371,597	183,098	188,499
30 - 34	295,250	144,934	150,316
35 - 39	296,823	145,570	151,253
40 - 44	330,859	160,489	170,370
45 - 49	342,577	164,073	178,504
50 - 54	326,180	154,855	171,325
55 - 59	290,128	135,032	155,096
60 - 64	252,787	113,128	139,659
65 - 69	207,483	87,197	120,286
70 - 74	173,528	67,491	106,037
75 - 79	126,527	47,160	79,367
80 - 84	77,197	26,818	50,379
OVER 84	51,450	16,472	34,978

TABLE 30

Massachusetts Population by Counties

Six Census Years

	State	Federal	State	Federal	State	Federal
	1975	1970	1965	1960	1955	1950
STATE	5,789,478	5,689,170	5,295,281	5,148,578	4,837,645	4,690,514
<u>Counties</u>						
Barnstable	126,481	96,656	73,557	70,286	52,728	46,805
Berkshire	148,069	149,402	145,597	142,135	138,119	132,966
Bristol	461,852	444,301	415,242	398,488	389,540	381,569
Dukes	7,951	6,117	5,948	5,829	6,069	5,633
Essex	631,627	637,887	608,996	568,831	543,526	522,384
Franklin	63,420	59,210	57,687	54,864	55,573	52,747
Hampden	461,659	459,050	435,281	429,353	389,237	367,971
Hampshire	122,729	123,981	100,065	103,229	87,142	87,594
Middlesex	1,397,524	1,397,268	1,280,235	1,238,742	1,115,252	1,064,569
Nantucket	5,559	3,774	3,714	3,559	3,642	3,484
Norfolk	620,346	605,051	560,137	510,256	448,144	392,308
Plymouth	377,500	333,314	292,697	248,449	214,456	189,468
Suffolk	724,703	735,190	706,216	791,329	819,797	896,615
Worcester	640,058	637,969	609,909	583,228	574,420	546,401

TABLE 31

MASSACHUSETTS POPULATION BY HEALTH SERVICE AREAS

1970 AND 1975

CITY/TOWN	1970 U.S. CENSUS	1975 U.S. CENSUS BUR. EST.	CITY/TOWN	1970 U.S. CENSUS	1975 U.S. CENSUS BUR. EST.
ADAIR			LANESBOROUGH	2,972	3,244
ADAMS	11,772	11,193	LEE	6,426	6,291
AGAWAM	21,717	24,402	LENOX	5,804	5,799
ALFORD	302	339	LEVERETT	1,005	1,294
AMHERST	26,331	30,127	LEYDEN	376	456
ASHFIELD	1,274	1,419	LONGMEADOW	15,630	16,626
ATHOL	11,185	10,772	LUDLOW	17,580	18,148
BECKET	929	1,161	MIDDLEFIELD	288	308
BELCHERTOWN	5,936	6,369	MONROE	216	200
BENKINGTON	1,659	1,779	MONSON	7,355	7,350
BLANDFORD	863	956	MONTAGUE	8,451	8,281
BUCKLAND	1,892	1,886	MONTGOMERY	600	763
CHARLESTON	897	1,053	MONTGOMERY	446	605
CHESTER	3,006	3,204	MT. WASHINGTON	52	80
CHESTERFIELD	704	896	NEW ASHFORD	183	158
CHILCOPEE	1,025	1,116	NEW MARLBOROUGH	1,031	1,132
CLARKSBURG	66,676	57,771	NEW SALEM	474	652
COLRAIN	1,420	1,950	NORTH ADAMS	19,195	19,312
CONWAY	998	1,493	NORTHAMPTON	29,664	30,173
CUMMINGTON	562	1,160	NORTHFIELD	2,631	2,454
DALTON	7,505	656	ORANGE	6,104	6,447
DEERFIELD	3,850	7,453	OTIS	820	899
EASTHAMPTON	13,012	4,257	PALMER	11,680	11,718
EAST LONGMEADOW	13,029	15,168	PELIHAM	937	1,171
EGREMONT	1,138	13,093	PERU	256	476
ERVING	1,260	1,218	PETERSHAM	1,014	1,128
FLORIDA	672	1,309	PHILLIPSTON	872	968
GILL	1,100	725	PITTSFIELD	57,020	54,893
GOSHEN	483	1,288	PLAINFIELD	287	371
GRANBY	5,473	658	RICHMOND	1,461	1,701
GRANVILLE	1,008	5,601	ROME	277	313
GREENFIELD	7,537	7,003	ROYALSTON	809	881
HADLEY	3,750	19,066	RUSSELL	1,382	1,590
HAMPDEN	4,572	3,772	SAUNDISFIELD	547	668
HARLOCK	675	4,743	SAVOY	322	476
HATFIELD	2,825	3,091	SHEFFIELD	2,374	2,733
HAVLEY	224	695	SHELBURNE	1,836	1,980
HEATH	383	3,091	SHUTESBURY	489	808
HINSDALE	1,588	270	SOUTH HADLEY	17,033	16,981
HOLYOKE	50,112	423	SOUTHAMPTON	3,069	3,807
HUNTINGTON	1,593	1,755	SOUTHWICK	6,330	7,055
		46,435	SPRINGFIELD	163,905	170,790
		1,732			

CITY/TOWN	1970 U.S. CENSUS	1975 U.S. CENSUS	1975 U.S. CENSUS	CITY/TOWN	1970 U.S. CENSUS	1975 U.S. CENSUS
<u>ISA I (CONT'D)</u>				<u>ISA II (CONT'D)</u>		
STOCKBRIDGE	2,312	2,211	18,348	FRANKLIN	17,830	18,348
SUNDERLAND	2,236	2,844	19,233	GARDNER	19,748	19,233
TOLLAND	172	214	10,511	GRAFTON	11,659	10,511
TYRINGHAM	234	333	5,489	GROTON	5,109	5,489
WARE	8,187	8,679	2,154	HARDVICK	2,379	2,154
WARREN	3,633	3,426	11,139	HARVARD	12,494	11,139
WARWICK	492	587	13,623	HOLDEN	12,564	13,623
WASHINGTON	406	491	1,374	HOLLAND	931	1,374
WENDELL	405	646	3,960	HOPEDALE	4,292	3,960
WESTFIELD	31,433	34,172	1,656	HUBBARDSTON	1,437	1,656
WESTHAMPTON	793	949	6,164	LANCASTER	6,095	6,164
WEST SPRINGFIELD	28,461	28,110	8,993	LEICESTER	9,140	8,993
WEST STOCKBRIDGE	1,354	1,343	35,493	LEHMINSTER	32,939	35,493
WHALEY	1,145	1,170	8,188	LUNENBURG	7,419	8,188
WILBRAHAM	11,984	13,116	8,148	HEUWAY	7,938	8,148
WILLIAMSBURG	2,342	2,279	2,719	HENDON	2,524	2,719
WILLIAMSTOWN	8,454	8,693	23,553	HILFORD	19,352	23,553
WINDSOR	468	574	12,111	HILLBURY	11,987	12,111
WORTHINGTON	712	813	1,738	HILLVILLE	1,764	1,738
			700	NEW BRAINTREE	631	700
ISA I TOTALS	805,466	822,480	12,141	NORTHBRIDGE	11,795	12,141
			4,151	NORTH BROOKFIELD	3,967	4,151
<u>ISA II</u>				OAKMAN	730	851
ASHBURNHAM	3,484	3,847	10,826	OXFORD	10,345	10,826
ASHBY	2,274	2,347	3,834	PAXTON	3,731	3,834
AUBURN	15,347	15,569	6,780	PEPPERELL	5,887	6,780
AYER	8,325	7,170	2,089	PRINCETON	1,681	2,089
BARRE	3,825	3,983	3,780	RUTLAND	3,198	3,780
BELLINGHAM	13,967	14,458	4,844	SHIRLEY	4,909	4,844
BERLIN	2,099	2,283	22,039	SHREWSBURY	19,196	22,039
BLACKSTONE	6,566	6,463	16,832	SOUTHBRIDGE	17,057	16,832
BOLTON	1,905	2,451	9,949	SPENCER	8,779	9,949
BOYLSTON	2,774	3,353	4,936	STERLING	4,247	4,936
BRIARFIELD	1,907	2,184	5,540	STURBRIDGE	4,878	5,540
BROOKFIELD	2,063	2,176	4,987	SUTTON	4,590	4,987
CHARLTON	4,654	5,653	6,066	TEMPLETON	5,863	6,066
CLINTON	13,383	12,934	5,167	TOWNSEND	4,281	5,167
DOUGLAS	2,947	3,178	3,785	UPTON	3,484	3,785
DUDLEY	8,087	7,816	8,514	UXBRIDGE	8,253	8,514
EAST BROOKFIELD	1,800	1,986	1,043	WALES	852	1,043
FITCHBURG	43,343	38,976	14,369	WEBSTER	14,917	14,369
			6,252	WEST BOYLSTON	6,369	6,252
			2,932	WEST BROOKFIELD	2,653	2,932

CITY/TOWN	1970 U.S. CENSUS	1975 U.S. CENSUS BUR. EST.
<u>HSA II (CONT'D)</u>		
WESTMINSTER	4,273	4,533
WINCHENDON	6,635	6,839
WORCESTER	176,572	171,566
HSA II TOTALS	666,124	676,766
<u>HSA III</u>		
ARESBURY	11,388	13,923
ANDOVER	23,695	26,468
BILLERICA	31,648	36,407
BOXFORD	4,032	4,566
CHELMSFORD	31,432	31,789
DRACUT	18,214	20,397
DUNSTABLE	1,292	1,547
GEORGETOWN	5,290	5,937
GROVELAND	5,382	5,228
HAVERHILL	46,120	44,377
LAVERNE	66,915	67,390
LOWELL	94,239	91,493
MERRIMAC	4,245	4,178
METHUEN	35,456	35,426
NEWBURY	3,804	4,254
NEWBURYPORT	15,807	16,330
NORTH ANDOVER	16,284	15,765
ROXLEY	3,040	3,473
SALISBURY	4,179	5,002
TEWKSBURY	22,755	24,063
TYNGSBOROUGH	4,204	4,909
WEST NEWBURY	2,254	2,641
WESTFORD	10,368	13,109
HSA III TOTALS	462,043	478,672
<u>HSA IV-1</u>		
BOSTON	641,071	636,725
BROOKLINE	58,689	52,590
CHELSEA	30,625	24,716
REVERE	43,159	41,078
WINTHROP	20,335	20,276
HSA IV-1 TOTALS	793,879	775,385
<u>HSA IV-2</u>		
ACTION	14,770	18,323
ARLINGTON	53,524	49,815
BEDFORD	13,513	13,223
BELMONT	28,285	27,480
BOXBOROUGH	1,451	2,714
BURLINGTON	21,980	24,537
CAMBRIDGE	100,361	102,420
CARLISLE	2,871	3,182
CONCORD	16,148	17,637
LEXINGTON	31,886	32,310
LINCOLN	7,567	7,249
LITTLETON	6,380	6,619
MAYNARD	9,710	9,873
SOMERVILLE	88,779	80,798
STOW	3,984	4,717
WILMINGTON	17,102	17,643
WINCHESTER	22,269	22,583
WOBURN	37,406	35,041
HSA IV-2 TOTALS	477,986	476,164
<u>HSA IV-3</u>		
ASHLAND	8,882	8,868
DOVER	4,529	4,917
FRAUGHTON	64,048	65,540
HOLLISTON	12,069	12,917
HOPKINTON	5,981	6,394
HUDSON	16,084	16,950
MARLBOROUGH	27,936	30,315
NATICK	31,057	30,951
NEEDHAM	29,748	29,802
NEWTON	91,263	88,559
NORTHBOROUGH	9,218	10,606
SHERBORNE	3,309	4,146
SOUTHBOROUGH	5,798	6,334
SUDBURY	13,506	14,935
WALTHAM	61,582	56,251
WATERTOWN	39,307	35,743
WATLAND	13,461	13,209
WELLESLEY	28,051	26,980
WESTBOROUGH	12,594	13,980

CITY/TOWN	1970 U.S. CENSUS	1975 U.S. CENSUS	1975 U.S. CENSUS BUR. EST.
<u>HSA IV-3 (CONT'D)</u>			
WESTON	10,870	11,747	
<u>HSA IV-3 TOTALS</u>	489,293	489,144	
<u>HSA IV-4</u>			
CANTON	17,100	18,094	
DEDHAM	26,938	26,819	
FOXBOROUGH	14,218	14,658	
MEDF IELD	9,821	10,021	
MILLIS	5,686	6,561	
NORFOLK	4,656	6,035	
NORWOOD	30,815	31,179	
SHARON	12,367	13,621	
WALPOLE	18,149	18,437	
WESTWOOD	12,750	14,026	
WRENTHAM	7,315	7,320	
<u>HSA IV-4 TOTALS</u>	159,815	166,771	
<u>HSA IV-5</u>			
BRAINTREE	35,050	36,804	
COHASSET	6,954	7,803	
HINGHAM	18,845	19,470	
HOLBROOK	11,775	11,816	
HULL	9,961	10,573	
MILTON	27,190	27,397	
NORWELL	7,796	9,083	
QUINCY	87,966	91,494	
RANDOLPH	27,035	29,227	
SCITUATE	16,973	17,762	
WEYMOUTH	54,610	56,815	
<u>HSA IV-5 TOTALS</u>	304,155	318,244	
<u>HSA V</u>			
ABINGTON	12,334	13,503	
ACUSHNET	7,767	8,472	
ATTLEBORO	32,907	32,514	
AVON	5,295	5,301	
<u>HSA V (CONT'D)</u>			
BARNSTABLE	19,842	27,056	
BERKLEY	2,027	2,315	
BOURNE	12,636	11,190	
BREWSTER	1,790	3,827	
BRIDGEWATER	12,911	13,620	
BROCKTON	89,040	95,878	
CARVER	2,420	4,392	
CHATHAM	4,554	6,104	
CHILMARK	340	405	
DARTMOUTH	18,800	22,229	
DENNIS	6,454	9,503	
DIGHTON	4,667	5,087	
DUXBURY	7,636	10,743	
EAST BRIDGEWATER	8,347	9,548	
EASTHAM	2,043	3,128	
EASTON	12,157	14,221	
EDGARTOWN	1,481	2,172	
FAIRHAVEN	16,332	15,949	
FALL RIVER	96,898	100,430	
FALMOUTH	15,942	20,866	
FREETOWN	4,270	5,581	
GAY HEAD	118	148	
GOSNOLD	83	101	
HALEFAX	3,537	4,775	
HAVER	10,107	10,656	
HANSON	7,148	8,449	
HARWICH	5,892	7,883	
KINGSTON	5,999	6,810	
LAKEVILLE	4,376	5,160	
HANSFIELD	9,939	12,586	
HAIRTON	3,466	3,885	
MARSHFIELD	15,223	19,657	
MASHPEE	1,280	2,573	
MATTAPOISETT	4,500	5,432	
MIDDLEBOROUGH	13,607	14,152	
NANTUCKET	3,774	5,660	
NEW BEDFORD	101,777	100,133	
NORTH ATTLEBOROUGH	18,665	19,098	
NORTON	9,487	9,874	
OAK BLUFFS	1,385	1,737	
ORLEANS	3,055	4,433	
PEMBROKE	11,193	12,431	

CITY/TOWN	1970 U.S. CENSUS	1975 U.S. CENSUS BUR. EST.
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ISA VI (CONT'D)

NAHANT	4,119	4,224
NORTH READING	11,264	12,134
PEABODY	48,080	45,200
READING	22,539	23,676
ROCKPORT	5,636	6,305
SALEM	40,556	38,957
SAUGUS	25,110	24,614
STONEHAM	20,725	21,524
SWAMPSCOTT	13,578	14,289
TOPSFIELD	5,225	5,924
WAKEFIELD	25,402	25,971
WENHAM	3,849	3,990
ISA VI TOTALS	666,115	647,597
STATE TOTALS	5,689,170	5,816,176

CITY/TOWN	1970 U.S. CENSUS	1975 U.S. CENSUS BUR. EST.
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ISA V (CONT'D)

PLAINVILLE	4,953	5,481
PLYMOUTH	18,606	27,531
PLYMPTON	1,224	1,705
PROVINCETOWN	2,911	4,007
RAYNHAM	6,705	7,778
REHOBOTH	6,512	7,027
ROCHESTER	1,770	2,315
ROCKLAND	15,674	17,064
SANDWICH	5,239	6,401
SEEKONK	11,116	11,333
SOMERSET	18,088	19,220
STOUGHTON	23,459	25,844
SWANSEA	12,640	15,185
TAUNTON	43,756	41,935
TISBURY	2,257	2,772
TRURO	1,234	1,251
WAREHAM	11,492	15,266
WELLFLEET	1,743	1,981
WEST BRIDGEWATER	6,070	6,442
WESTPORT	9,791	12,845
WEST TISBURY	453	699
WHITMAN	13,059	13,475
YARMOUTH	12,033	17,729
ISA V TOTALS	864,294	964,953

ISA VI

BEVERLY	38,348	37,180
DAWVERS	26,151	24,951
ESSEX	2,670	2,873
EVERETT	42,485	39,473
GLOUCESTER	27,941	27,074
HAMILTON	6,373	6,684
IPSWICH	10,750	11,574
LYNN	90,294	79,327
LYNNFIELD	10,826	12,008
MALDEN	56,127	55,778
MARCHESTER	5,151	5,534
MARBLEHEAD	21,295	21,498
MEDFORD	64,397	60,769
MELROSE	33,180	32,050
MIDDLETON	4,044	4,016

Source: U.S. Department of Commerce
Bureau of the Census
Series P-25 No. 669

A P P E N D I X

APPENDIX I

REGISTRATION OF VITAL RECORDS

The data in this report is compiled by the Registry of Vital Records and Statistics, a unit of the Office of Health Statistics in the Department of Public Health.

Returns of births, marriages and death records are received in the Registry from the Commonwealth's 351 local municipalities (311 Towns and 40 Cities). Except for the City of Boston which has a City Registrar, the town or city clerk for each respective community serves as local registrar. Monthly each local registrar transmits attested copies which make up the state file. These events have been filed in the Registry since 1841.

When a birth occurs at a hospital, the certificate is prepared by hospital personnel and transmitted to the local registrar within 10 days. For births which occur at home or without medical assistance, the parents are responsible for the registration. All birth records are signed by the attending physician and the parent to insure the accuracy of the data collected.

Marriage licenses are issued by the clerk of the city or town where the parties reside. If the prospective bride and groom reside in different communities, two licenses are issued. The person performing the marriage is required to complete the certificate and return it to the local clerks who issued the license.

A death certificate is initiated immediately after the death by the physician or medical examiner who records the deceased's name and complete cause of death. The remainder of the data is collected by the funeral director with the assistance of the informant, usually the next of kin. The funeral director then submits the completed certificate to the local board of health who issues the appropriate burial permit and further transmits the certificate to the local clerk.

Fetal deaths of 20 weeks or more gestation are required to be reported by the hospital where the death occurred, within ten days after death.

Summary reports of abortion are received monthly from Massachusetts facilities.

Divorces reports are received monthly from the Registers of Probate for the county in which the divorce was granted.

SOURCE DOCUMENTS

C H I L D		The Commonwealth of Massachusetts DEPARTMENT OF PUBLIC HEALTH REGISTRY OF VITAL RECORDS AND STATISTICS STANDARD CERTIFICATE OF LIVE BIRTH		(City or Town making this return)	
1 PLACE OF BIRTH		a (County)		b (City or Town)	
2 NAME		c NAME OF HOSPITAL - IF NOT IN HOSPITAL NUMBER & STREET		REGISTERED NUMBER	
3 SEX		4 THIS BIRTH SINGLE, TWIN, ETC. SPECIFY		5 DATE OF BIRTH	
		4a IF NOT SINGLE, BORN FIRST, SECOND, ETC. SPECIFY ORDER OF BIRTH		5a HOUR M.	
				MONTH DAY YEAR	
F A T H E R		8 FULL NAME		AGE AT TIME OF THIS BIRTH	
		7 BIRTHPLACE			
		9 OCCUPATION			
M O T H E R		10 FULL NAME		12 AGE AT TIME OF THIS BIRTH	
		11 BIRTHPLACE			
		13 RESIDENCE		CITY OR TOWN COUNTY STATE	
		(DO NOT USE MAILING ADDRESS)			
CERTIFICATIONS					
14 CERTIFIER			15 INFORMANT		
<input type="checkbox"/> M.D. - ATTENDANT AT BIRTH <input type="checkbox"/> ATTENDANT - IF OTHER THAN M.D. <input type="checkbox"/> ADMINISTERED POST NATAL CARE ONLY (Signature, Physician or other attendant) (Print or type name, Chapter 46B, Act of 1959) (Address)			I certify that the information appearing above is true and correct. (Signature) (Relationship) (Date) (Present mailing address if different from item #13)		
16 REC'D IN CLERK'S OFFICE		17 SUPPLEMENT FILED		18 CLERK OR REGISTRAR	
CONFIDENTIAL INFORMATION - CHAPTER III SECTION 24B AS AMENDED PHYSICIAN TO COMPLETE ITEMS IN RED WITHIN 24 HOURS (CH. 46 SEC. 3)					
HOSPITAL CODE NO.					
19 RACE-FATHER		20 EDUCATION-FATHER		PREGNANCY HISTORY (Complete each section)	
WHITE, BLACK, AMERICAN INDIAN, ETC. (SPECIFY)		(Specify only highest grade completed) Elementary or Secondary (0-12) College (1-4 or 5+)		LIVE BIRTHS (Do not include this child) NOW LIVING NOW DEAD	
21 RACE-MOTHER		22 EDUCATION-MOTHER		OTHER TERMINATIONS (Spontaneous and Induced) BEFORE 20 WEEKS AFTER 20 WEEKS	
WHITE, BLACK, AMERICAN INDIAN, ETC. (SPECIFY)		(Specify only highest grade completed) Elementary or Secondary (0-12) College (1-4 or 5+)		21a Number 21b Number None <input type="checkbox"/> None <input type="checkbox"/> 21c Date of Last Live Birth (Month, Year) 21d Date of Last Other Termination (as indicated in d or e above)	
24 DATE OF LAST NORMAL MENSTRUATION BEGAN		25 MONTH OF PREGNANCY PRENATAL CARE BEGAN FIRST, SECOND, THIRD, ETC. (SPECIFY)		26 PRENATAL VISITS TOTAL NUMBER (IF NONE, SO STATE)	
MONTH DAY YEAR					
27 COMPLICATIONS RELATED TO PREGNANCY (Describe or write "None")				28 CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or write "none")	
29 COMPLICATION OF LABOR AND/OR DELIVERY (Describe or write "None")				30 CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD (Describe or write "None")	
31 BIRTH WEIGHT		32 APGAR SCORE		33 IS MOTHER MARRIED?	
lbs. ozs. or grams		a. 1 min. b. 5 min.		(Specify yes or no)	
				34 PATIENT CARE <input type="checkbox"/> PRIV. <input type="checkbox"/> OTHER <input type="checkbox"/> M.I.C.	
				35 AT TIME OF THIS REPORT <input type="checkbox"/> CHILD LIVING <input type="checkbox"/> DEAD	

Note: Confidential section is detached from record and is not maintained in public files

The Commonwealth of Massachusetts

PLACE OF DEATH

DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS

(City or Town making this return)

FORM R-301

To be filed for burial permit
with Board of Health
or its Agent.INSTRUCTIONS FOR
MEDICAL CERTIFICATEPRINT OR TYPE
CAUSE OR CAUSES
OF DEATH
WITH UNFADING BLACK
INK OR APPROVED
BLACK TYPEWRITER
RIBBON

This does not mean the mode of
dying, such as heart failure, asphyxia,
etc. It means the disease, or
complications which caused death.
Conditions, if any, which gave
rise to above cause (a), stating the
underlying cause last

Conditions contributing to death
but not related to the terminal dis-
ease condition given in (a).

STANDARD
CERTIFICATE OF DEATH

Registered No.

 No. _____ St. _____
 (If death occurred in a hospital or institution,
give its NAME instead of street and number)

PHYSICIAN—IMPORTANT

 (If deceased a
U. S. War Veteran,
specify WAR)

 St. _____
 (City or town and State)
2 FULL NAME _____
(If deceased is a married, widowed or divorced woman, give also maiden name)

(a) Permanent Residence, No. _____

MEDICAL CERTIFICATE OF DEATH

3 DATE OF DEATH _____ (Month) _____ (Day) _____ (Year)

4 I HEREBY CERTIFY, that I attended deceased from _____ (Year) _____ (Month) _____ (Day) _____ (Year) to _____ (Year) _____ (Month) _____ (Day) _____ (Year). I last saw him alive on _____ (Year) _____ (Month) _____ (Day) _____ (Year), death is said to have occurred on the date stated above, at _____ (City or Town) _____ (State or Country).

DEATH WAS CAUSED BY: IMMEDIATE CAUSE _____
INTERVAL BETWEEN ONSET AND DEATH _____

(a) Due to _____

(b) Due to _____

(c) Due to _____

OTHER SIGNIFICANT CONDITIONS _____

Was autopsy performed? _____

What test confirmed diagnosis? _____

5 Was disease or injury in any way related to occupation of deceased? _____

If so, specify _____

(Signature) _____

(Address) _____

M D _____

(Print or Type Name) _____

Date _____

19 _____

Place of Burial or Cremation _____ (City or Town)

DATE OF BURIAL _____

7 NAME OF FUNERAL DIRECTOR _____

ADDRESS _____

8 Informant _____

(Address) _____

PERSONAL AND STATISTICAL PARTICULARS

9 SEX _____ 10 COLOR _____ 11 SINGLE _____ (write the word)

MARRIED _____

WIDOWED _____

DIVORCED _____

UNKNOWN _____

12 If married, widowed, or divorced _____

(HUSBAND of _____)

(or) WIFE of _____

(Give maiden name of wife in full)

(Husband's name in full)

13 AGE _____ Years _____ Months _____ Days _____ If under 24 hours _____ Minutes

14 Usual Occupation _____

(Kind of work done during most of working life)

15 Industry or Business _____

16 Social Security No. _____

17 BIRTHPLACE (City) _____

(State or country)

18 NAME OF FATHER _____

19 BIRTHPLACE OF FATHER (City) _____

(State or country)

20 MAIDEN NAME OF MOTHER _____

21 BIRTHPLACE OF MOTHER (City) _____

(State or country)

22 I HEREBY CERTIFY that a satisfactory standard certificate of death was filed with me BEFORE the burial or transit permit was issued:

(Signature of Agent Board of Health or other)

(Official Designation)

(Date of Issue of Permit)

23 Received and filed _____ 19 _____

PLACE OF DEATH

The Commonwealth of Massachusetts
DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS
**MEDICAL EXAMINER'S
CERTIFICATE OF DEATH**

(City or Town making this return)

(County)

(City or Town)

Registered No.

FORM R-303

To be filed for burial permit
with Board of Health
or its Agent.

No. St.
(If death occurred in a hospital or institution,
give its NAME instead of street and number)
PHYSICIAN — IMPORTANT
(Was deceased a
U. S. War Veteran,
if so specify WAR)

2 FULL NAME
(If deceased in a married, widowed or divorced woman, give also maiden name.)

(a) Permanent Residence. No. St.
(City or town and State)

MEDICAL CERTIFICATE OF DEATH		PERSONAL AND STATISTICAL PARTICULARS	
3 DATE OF DEATH (Month) (Day) (Year)	9 SEX	10 COLOR	11 SINGLE MARRIED WIDOWED DIVORCED UNKNOWN
4 I HEREBY CERTIFY that I have investigated the death of the person above-named and that the CAUSE AND MANNER thereof are as follows: (If an injury was involved, state fully.)	12 If married, widowed, or divorced HUSBAND of (Give maiden name of wife in full) (or) WIFE of (Husband's name in full)	13 AGE Years Months Days	If under 24 hours Hours Minutes
5 Accident, suicide, or homicide (specify) Date and hour of injury IF ACCIDENTAL, was injury causally related to the death? Where did injury occur? (City or town and State) Did injury occur in or about home, on farm, in industrial place, or in public place? Manner of injury (Specify type of place) Nature of injury (How did injury occur?) Was autopsy performed? Was disease or injury in any way related to occupation of deceased? If so, specify (Signed) _____, M. D. (Address) _____ Date _____	14 Usual Occupation: (Kind of work done during most of working life)	15 Industry or Business:	16 Social Security No.
6	17 BIRTHPLACE (City) (State or country)	18 NAME OF FATHER	19 BIRTHPLACE OF FATHER (City) (State or country)
7 NAME OF FUNERAL DIRECTOR ADDRESS	20 MAIDEN NAME OF MOTHER	21 BIRTHPLACE OF MOTHER (City) (State or country)	22 I HEREBY CERTIFY that a satisfactory standard certificate of death was filed with me BEFORE the burial or transit permit was issued:
8 Informant (Address)	(Signature of Agent Board of Health or other)		
	(Official Designation)		
	(Date of Issue of Permit)		
	23 Received and filed _____ 19____		
	(Clerk or Registrar)		

NOTE: CHAPTER 137, ACTS OF 1954, REQUIRES PHYSICIANS TO PRINT OR TYPE THE CAUSE OR CAUSES OF DEATH ON DEATH CERTIFICATES.
N. B.—WRITE PLAINLY, WITH UNFADING BLACK INK—THIS IS A PERMANENT RECORD. Every item of information should be carefully supplied. MEDICAL EXAMINERS should state CAUSE AND MANNER OF DEATH in plain terms, so that it may be properly classified under the International Classification of Causes of Death. See reverse side for additional information. See also Chap. 31, §§ 4, 22; Chap. 46, §§ 9, 10; Chap. 114, §§ 44-45.
If deceased was a U. S. War Veteran, C.I. Chap. 46, Section 10, requires physicians to insert a recital to that effect.

75M-10-75-112886

DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS

REPORT OF FETAL DEATH

STATE FILE NUMBER

HOSPITAL—NAME (If not in hospital, give street and number)				CITY, TOWN OR LOCATION OF DELIVERY		COUNTY OF DELIVERY	
1a.				1b.		1c.	
DATE OF DELIVERY (Month, Day, Year)			HOUR OF DELIVERY		SEX OF FETUS		WEIGHT OF FETUS
2a.			2b.		M 3.		4
MOTHER—MAIDEN NAME FIRST MIDDLE LAST				AGE (At time of this delivery)		RESIDENCE—STATE COUNTY	
5a.				5b.		5c.	
CITY, TOWN OR LOCATION				STREET AND NUMBER			
5c.				5d.			
RACE—(e.g., White, Black, American Indian, etc.) (Specify)				EDUCATION (Specify only highest grade completed)		DATE LAST NORMAL MENSTRUATION BEGAN (Month, Day, Year)	
7.				8.		9.	
MONTH OF PREGNANCY PRENATAL CARE BEGAN First, second, etc. (Specify)				PRENATAL VISITS—Total number (If none, so state)		THIS BIRTH—Single, twin, triplet, etc. (Specify)	
12a.				12b.		12c.	
FATHER—NAME FIRST MIDDLE LAST				AGE (At time of this delivery)		RACE—(e.g., White, Black, American Indian, etc.) (Specify)	
14a.				14b.		14c.	
EDUCATION (Specify only highest grade completed)				DATE OF LAST LIVE BIRTH (Month, Year)			
14d.				11c.			
PREGNANCY HISTORY Complete each section				OTHER TERMINATIONS (Spontaneous and Induced)			
LIVE BIRTHS				OTHER TERMINATIONS			
11a. Now living 11b. Now dead				11d. Before 20 weeks 11e. After 20 weeks			
Number Number				Number Number			
None None				None None			
DATE OF LAST LIVE BIRTH (Month, Year)				DATE OF LAST OTHER TERMINATION (as indicated in d or e above) (Month, Year)			
11c.				11f.			
FETAL OR MATERNAL CONDITION DIRECTLY CAUSING FETAL DEATH				IMMEDIATE CAUSE (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).)			
15. PART I				Specify Fetal or Maternal			
(a) Fetal or maternal condition directly causing fetal death.				Specify Fetal or Maternal			
(b) Fetal and/or maternal conditions, if any giving rise to the immediate cause (a), stating the underlying cause last.				Specify Fetal or Maternal			
(c) FETAL AND/OR MATERNAL CONDITIONS AFFECTING THE PREGNANCY: Conditions contributing to fetal death but not related to cause given in (a)				Specify Fetal or Maternal			
PART II				FETUS DIED BEFORE LABOR, DURING LABOR OR DELIVERY, UNKNOWN (Specify)			
16.				17.			
COMPLICATIONS OF PREGNANCY (Describe or write "none")				COMPLICATIONS OF LABOR AND/OR DELIVERY (Describe or write "none")			
19.				20.			
CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or write "none")				CONGENITAL MALFORMATIONS OR ANOMALIES OF FETUS (Describe or write "none")			
21.				22.			
NAME OF PHYSICIAN OR ATTENDANT (Type or print)				NAME OF PERSON COMPLETING REPORT (Type or print)			
23.				24.			
BURIAL, CREMATION, OR BY HOSPITAL				CEMETERY OR CREMATORY—NAME OR WRITE "NONE"		LOCATION CITY OR TOWN STATE	
25.				26.		26a.	
NAME OF FUNERAL DIRECTOR (IF ANY)				NAME OF FACILITY (Hospital or Funeral Home)		ADDRESS OF FACILITY	
27.				28.		28a.	
I HEREBY CERTIFY that this delivery occurred on the date stated and product of conception was not a live birth.							
Signature of Attending Physician or Medical Examiner							
TITLE							

DEFINITION:

"Fetal death" per chapter 111 section 202 of the M.G.L. means death prior to the complete expulsion or extraction from its mother of a fetus, irrespective of the duration of pregnancy, as indicated by the fact that after such expulsion or extraction the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. A fetal death does NOT include an induced abortion as defined in section 12K of chapter 112 of M.G.L. . . . Spontaneous abortions are to be included.

TO BE REPORTED:

Only fetal deaths of twenty weeks or more gestation or of a weight of 350 grams or more are to be reported.

INSTRUCTIONS:

Return completed report within 10 days to the Registry of Vital Records and Statistics, Rm. 107 McCormack Bldg., 1 Ashburton Pl., Boston, Ma. 02108

The Commonwealth of Massachusetts
DEPARTMENT OF PUBLIC HEALTH
REGISTRY OF VITAL RECORDS AND STATISTICS
CERTIFICATE OF ABSOLUTE
DIVORCE OR ANNULMENT
(Chap. 208, Sec. 46 G.L.)
R-408

HUSBAND - NAME		FIRST	MIDDLE	LAST
1. USUAL RESIDENCE - STREET ADDRESS		2b. CITY, TOWN OR LOCATION		
2a. COUNTY	STATE	2b. DATE OF BIRTH (Mo., Day, Yr.)	NUMBER OF THIS MARRIAGE (1st, 2nd, Specify)	
2c. WIFE - NAME	FIRST	MIDDLE	LAST	MAIDEN NAME
3a. USUAL RESIDENCE - STREET ADDRESS		3b. CITY, TOWN OR LOCATION		
3a. COUNTY	STATE	3b. DATE OF BIRTH (Mo., Day, Yr.)	NUMBER OF THIS MARRIAGE (1st, 2nd, Specify)	
3c. DATE OF THIS MARRIAGE (Mo., Day, Yr.)	NUMBER OF CHILDREN BORN ALIVE OF THIS MARRIAGE		NUMBER OF CHILDREN UNDER AGE 18 IN THIS FAMILY	
3. DATE OF THIS MARRIAGE (Mo., Day, Yr.)	10a.	10b.		

FOR COURT USE ONLY			
COUNTY OF JUDGMENT		TITLE OF COURT	
11. DATE OF JUDGMENT NISI (Mo., Day, Yr.)	11a. TYPE OF JUDGMENT - DIVORCE OR ANNULMENT (Specify)		11b. DATE OF JUDGMENT ABSOLUTE (Mo., Day, Yr.)
12. DOCKET NUMBER	13. NAME OF PLAINTIFF	14. CAUSE FOR WHICH GRANTED	
15. SIGNATURE OF CERTIFYING OFFICIAL	16. TITLE OF OFFICIAL		
18a.	18b.		

APPENDIX II

DEFINITIONS

The following definitions conform wherever possible to those of the National Center for Health Statistics, United States Department of Health, Education and Welfare.

BIRTHS

LIVE BIRTH - A live birth is the complete expulsion or extraction from its mother of a product of conception, regardless of the duration of pregnancy, which, after separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

BIRTH WEIGHT - Weight of an infant or fetus at the time of delivery. It may be recorded in either pounds/ounces or grams; if it is the former, it is converted to grams for use in this report.

MATURE BIRTH WEIGHT - Weight at delivery which equals or exceeds 2501 grams.

IMMATURE BIRTH WEIGHT - Weight at delivery of 2500 grams or less. Immaturity rather than prematurity is used. Prematurity refers to gestational age and is difficult to ascertain reliably.

DEATHS

INFANT DEATH - Death of a person whose age is less than one year.

NEONATAL DEATH - Death of a person whose age is less than 28 days.

FETAL DEATH - A fetal death is death prior to the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy; the death is indicated by the fact that after such separation the fetus does not breathe or show any other evidence of life, such as the beating of the heart, pulsation of the umbilical cord, or definite movement of the voluntary muscles.

Massachusetts law requires that fetal deaths of 20 or more weeks gestation be recorded; therefore, the fetal deaths referred to in this report are of that gestational age. In this report use is made of infant, neonatal and fetal deaths occurring to Massachusetts residents.

CAUSE OF DEATH - The underlying condition which gives rise to a series of events leading to death. The code used for identifying cause of death is the 8th Revised Edition of the International Classification of Disease, and the rules for applying the code are promulgated by the National Center for Health Statistics. (The 8th Revision was adopted by Massachusetts in 1969; care, therefore, should be used when comparisons of causes of death span two somewhat different sets of codes).

DEMOGRAPHIC

COLOR - This term is supposed to be synonymous with race. It appears on the death certificate currently in use, and the response is supplied by an informant (relative of the deceased, funeral director, or other). Since it is the term used, "color" appears in certain death tables contained in this report.

HEALTH SERVICE AREA - In accordance with the National Health Planning and Resources Development Act of 1974 (P.L. 93-641), Massachusetts is divided into six Health Service Areas (HSA's) for the purpose of planning and developing health services. Each HSA encompasses both metropolitan and non-metropolitan areas and contains at least one center for the provision of highly specialized health services.

HEALTH SYSTEMS AGENCY - A Health Systems Agency (HSA) is the public planning body which is responsible for the establishment and implementation of a comprehensive health systems plan within a particular service area. The purpose of the comprehensive plan is to improve the health of HSA residents, increase accessibility and quality of health services, restrain cost increase and prevent unnecessary duplication of health resources. The executive committee of the agency is composed both of consumers and providers of health care, with the consumers forming the majority. The consumer membership of the committee is chosen to be broadly representative of the social, economic, linguistic and racial populations, geographic areas of the HSA, and major purchasers of health care.

OCCURRENCE - The place where the event actually happened. In Massachusetts, place will be one of 351 towns/cities.

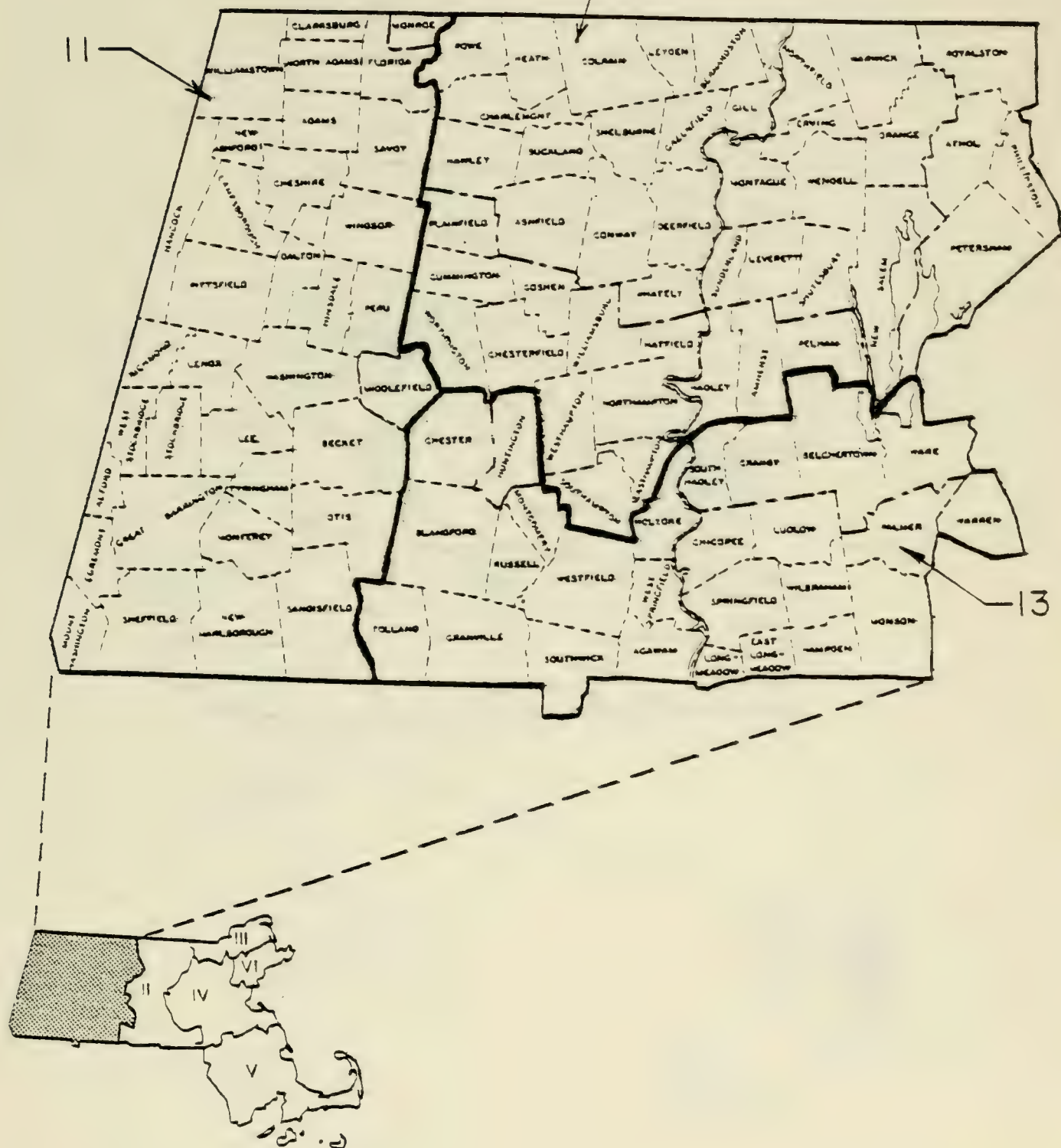
RACE - The mother's response to the question of her own and her husband's racial identity. The race of the baby is determined by consideration of the race (s) of the parents.

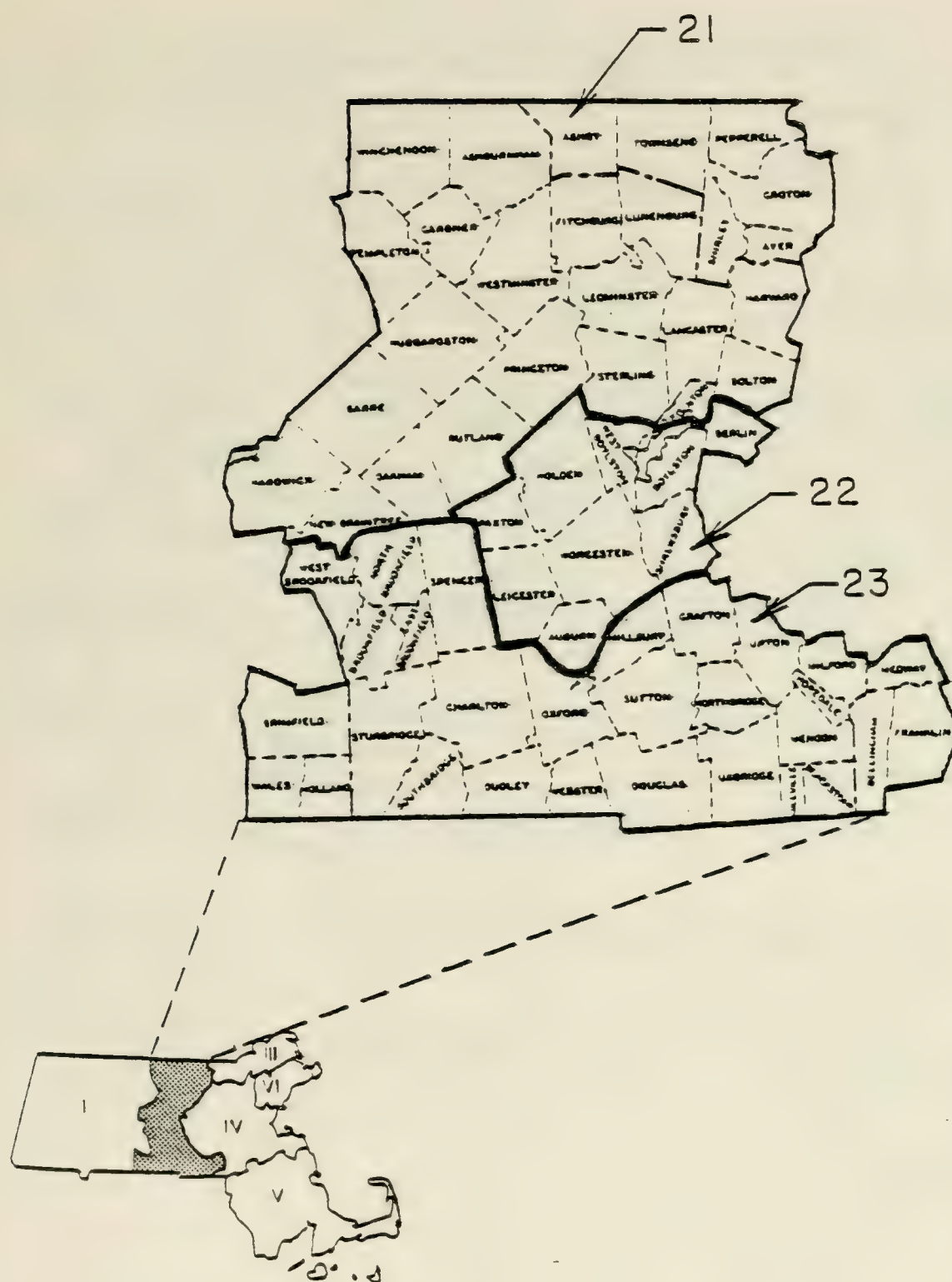
RESIDENCE - The usual place of residence as reported by the mother (for births) or the informant (for deaths). An infant's residence is considered that of its mother.

RATES

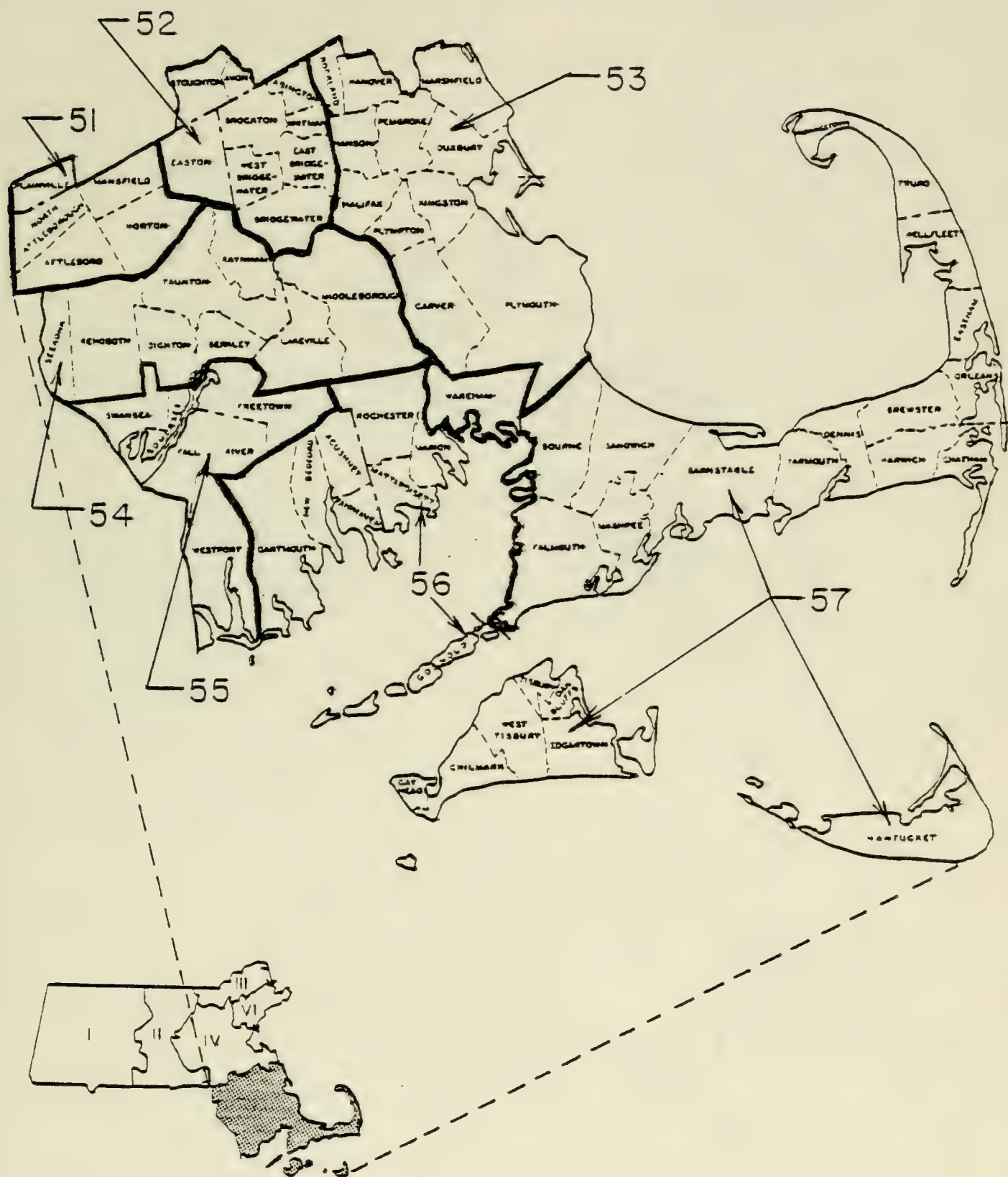
BIRTH RATE	= $\frac{\text{No. of Resident Live Births} \times 1,000}{\text{Total Resident Population}}$
GENERAL FERTILITY RATE	= $\frac{\text{No. of Live Births} \times 1,000}{\text{Total Female Population of childbearing Age (15-44)}}$
AGE-SPECIFIC FERTILITY RATE	= $\frac{\text{No. of Resident Live Births for a Specific Age of Mother} \times 1,000}{\text{Total Female Population of Specific Age}}$
MORTALITY RATE	= $\frac{\text{No. of Resident Deaths} \times 1,000}{\text{Total Resident Population}}$
FETAL MORTALITY RATE	= $\frac{\text{No. of Resident Fetal Deaths} \times 1,000}{\text{Total Resident Live Births and Resident Fetal Deaths}}$
INFANT MORTALITY RATE	= $\frac{\text{No. of Deaths at less than 1 Year of Age} \times 1,000}{\text{Total Resident Live Births}}$
NEONATAL MORTALITY RATE	= $\frac{\text{No. of Deaths at less than 28 Days of Age} \times 1,000}{\text{Total Resident Live Births}}$
AGE-SPECIFIC DEATH RATE	= $\frac{\text{No. of Deaths in Specific Age Group} \times 100,000}{\text{Total Resident Population in Specific Age Group}}$
CAUSE-SPECIFIC DEATH RATE	= $\frac{\text{No. of Deaths from Specific Cause} \times 100,000}{\text{Total Resident Population}}$

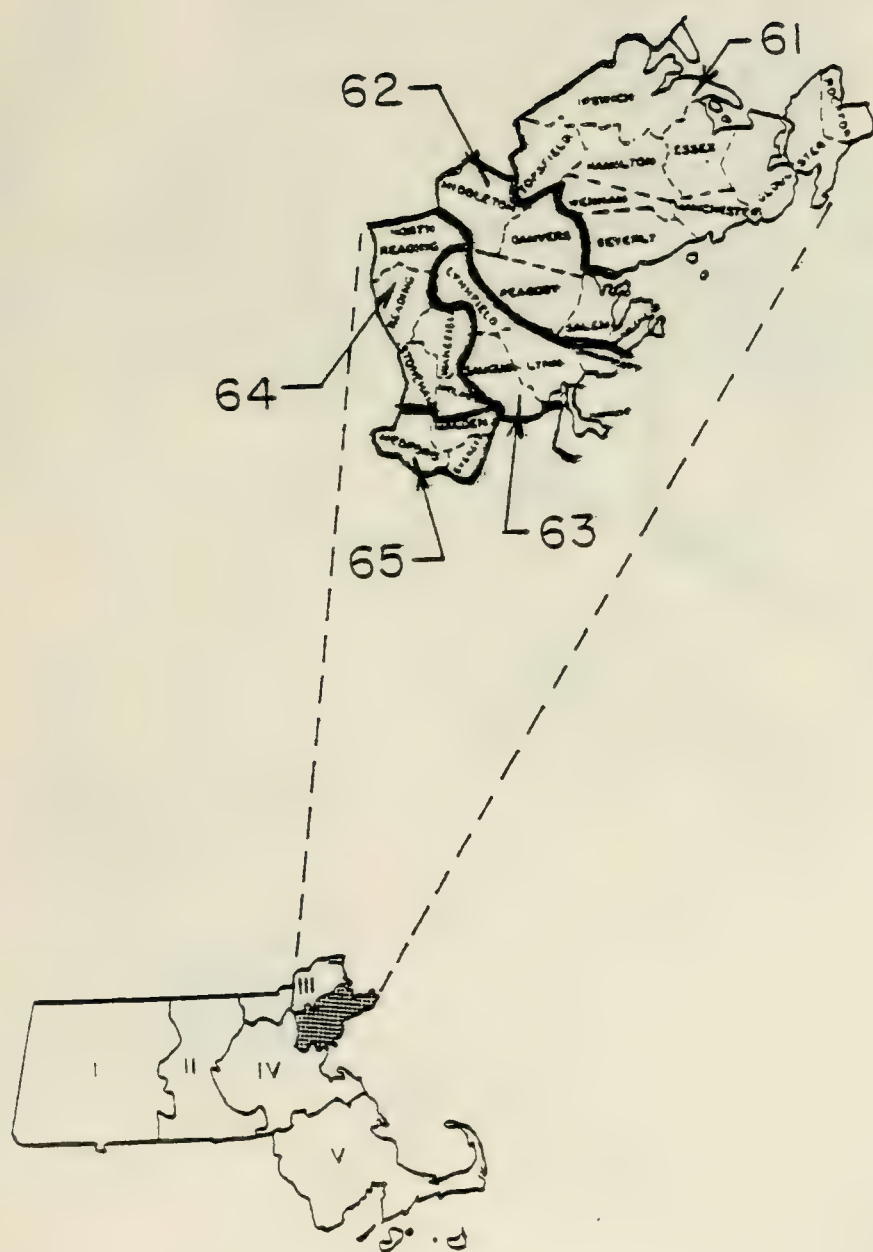
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HEALTH SERVICE AREA V





APPENDIX IV

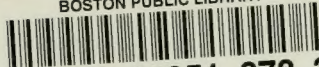
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